```
d his

     (FILE 'USPAT' ENTERED AT 06:59:05 ON 07 JAN 1999)
L1        490718 S DATABASE OR DATA OR DATA (W) BASE
L2        136731 S MULTIMEDIA OR MEDIA
L3         15311 S TEMPORAL
L4          2853 S TIMESTAMP OR TIME (W) STAMP
L5         64046 S L1 AND L2
L6          2440 S L5 AND L3
L7           137 S L6 AND L4
L8            31 S TAG# AND L7
L9             1 S DEMOGRAPHIC## AND L8
L10        57531 S AUDIOVISUAL OR AUDIO OR AUDIO(W)VIDEO
L11           27 S L10 AND L8
L12       120903 S PHOTO# OR PHOTOGRAPH# OR PHOTO(W)GRAPH
L13            6 S L11 AND L12
L14            1 S DEMOGRAPHIC# AND L13
L15       623713 S MAINTAIN OR MAINTAINING AND L1
L16        62152 S ELEMENT# AND L2
L17        25947 S L15 AND L16
L18       262388 S PROGRAMMING OR PROGRAM?
L19         9045 S L17 AND L18
L20           16 S TEMPORAL (W) ORGANIZATION
L21            4 S L19 AND L20
L22            0 S L4 AND L21
L23            3 S L10 AND L21
L24            0 S L8 AND L23
L25            0 S L12 AND L23

=> d cit l23 1-3
```

1. 5,751,883, May 12, 1998, **Multimedia** direct access storage device and formatting method; Hal Hjalmar Ottesen, et al., 386/27; 348/7; 369/30; 386/125; 711/112, 114 [IMAGE AVAILABLE]

2. 5,721,878, Feb. 24, 1998, **Multimedia** control system and method for controlling **multimedia program** presentation; Hal Hjalmar Ottesen, et al., 395/500; 348/7 [IMAGE AVAILABLE]

3. 5,721,815, Feb. 24, 1998, **Media**-on-demand communication system and method employing direct access storage device; Hal Hjalmar Ottesen, et al., 345/327; 348/7; 395/200.49, 827 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 06:59:05 ON 07 JAN 1999)

L1	490718	S	DATABASE OR DATA OR DATA (W) BASE
L2	136731	S	MULTIMEDIA OR MEDIA
L3	15311	S	TEMPORAL
L4	2853	S	TIMESTAMP OR TIME (W) STAMP
L5	64046	S	L1 AND L2
L6	2440	S	L5 AND L3
L7	137	S	L6 AND L4
L8	31	S	TAG# AND L7
L9	1	S	DEMOGRAPHIC## AND L8
L10	57531	S	AUDIOVISUAL OR AUDIO OR AUDIO(W)VIDEO
L11	27	S	L10 AND L8
L12	120903	S	PHOTO# OR PHOTOGRAPH# OR PHOTO(W)GRAPH
L13	6	S	L11 AND L12
L14	1	S	DEMOGRAPHIC# AND L13

=> d cit l14

1. 5,848,373, Dec. 8, 1998, Computer aided map location system; David M. DeLorme, et al., 701/200; 340/990, 995; 342/357; 701/208, 212 [IMAGE AVAILABLE]

=> d cit l13 1-6

1. 5,854,893, Dec. 29, 1998, System for teleconferencing in which collaboration types and participants by names or icons are selected by a participant of the teleconference; Lester F. Ludwig, et al., 395/200.34, 200.35, 200.57, 200.61, 200.76, 200.79 [IMAGE AVAILABLE]

2. 5,848,373, Dec. 8, 1998, Computer aided map location system; David M. DeLorme, et al., 701/200; 340/990, 995; 342/357; 701/208, 212 [IMAGE AVAILABLE]

3. 5,802,294, Sep. 1, 1998, Teleconferencing system in which location video mosaic generator sends combined local participants images to second location video mosaic generator for displaying combined images; Lester F. Ludwig, et al., 395/200.34; 370/260, 267; 379/202; 395/200.68 [IMAGE AVAILABLE]

4. 5,758,079, May 26, 1998, Call control in video conferencing allowing acceptance and identification of participants in a new incoming call during an active teleconference; Lester F. Ludwig, et al., 395/200.34; 345/330; 370/261; 379/202 [IMAGE AVAILABLE]

5. 5,689,641, Nov. 18, 1997, **Multimedia** collaboration system arrangement for routing compressed AV signal through a participant site without decompressing the AV signal; Lester F. Ludwig, et al., 395/200.71; 348/15, 16; 370/260, 270; 395/200.34 [IMAGE AVAILABLE]

6. 5,617,539, Apr. 1, 1997, **Multimedia** collaboration system with separate **data** network and A/V network controlled by information transmitting on the **data** network; Lester F. Ludwig, et al., 395/200.35; 345/330; 348/12; 370/260; 395/200.68, 200.79 [IMAGE

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=> d his

     (FILE 'USPAT' ENTERED AT 06:59:05 ON 07 JAN 1999)
L1        490718 S DATABASE OR DATA OR DATA (W) BASE
L2        136731 S MULTIMEDIA OR MEDIA
L3         15311 S TEMPORAL
L4          2853 S TIMESTAMP OR TIME (W) STAMP
L5         64046 S L1 AND L2
L6          2440 S L5 AND L3
L7           137 S L6 AND L4
L8            31 S TAG# AND L7
L9             1 S DEMOGRAPHIC## AND L8
L10        57531 S AUDIOVISUAL OR AUDIO OR AUDIO(W)VIDEO
L11           27 S L10 AND L8
L12       120903 S PHOTO# OR PHOTOGRAPH# OR PHOTO(W)GRAPH
L13            6 S L11 AND L12
L14            1 S DEMOGRAPHIC# AND L13
L15       623713 S MAINTAIN OR MAINTAINING AND L1
L16        62152 S ELEMENT# AND L2
L17        25947 S L15 AND L16
L18       262388 S PROGRAMMING OR PROGRAM?
L19         9045 S L17 AND L18
L20           16 S TEMPORAL (W) ORGANIZATION
L21            4 S L19 AND L20

=> d cit 121 1-4


1.  5,751,883, May 12, 1998, Multimedia direct access storage device
and formatting method; Hal Hjalmar Ottesen, et al., 386/27; 348/7;
369/30; 386/125; 711/112, 114 [IMAGE AVAILABLE]

2.  5,721,878, Feb. 24, 1998, Multimedia control system and method
for controlling multimedia program presentation; Hal Hjalmar
Ottesen, et al., 395/500; 348/7 [IMAGE AVAILABLE]

3.  5,721,815, Feb. 24, 1998, Media-on-demand communication system
and method employing direct access storage device; Hal Hjalmar Ottesen,
et al., 345/327; 348/7; 395/200.49, 827 [IMAGE AVAILABLE]

4.  5,288,626, Feb. 22, 1994, Method for producing new varieties of
plants; William C. Levengood, 800/292 [IMAGE AVAILABLE]
```

```
Set     Items   Description
S1     242539   DATABASE OR DATABANK OR DATA()(BASE? OR BANK? OR FILE? OR -
             REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DBMS
S2       2945   S1(7N)(AUDIOVISUAL? OR MULTIMEDIA? OR MULTI()MEDIA? OR PHO-
             TO? ? OR PHOTOGRAPH? OR CLIP? ? OR SCENE? ?)
S3       4806   S1(7N)(AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO-
             N? ? OR (DIGITAL? OR SERIES)(3N)(IMAGE? ? OR PICTURE? ?))
S4        985   S2:S3(5N)(SELECT? OR PICK??? OR CHOOS? OR CHOSEN OR IDENTI-
             FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE-
             SIR???)
S5         26   S4(7N)(DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
             NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6   10240286   REGULAT? OR CONTROL? OR MANAG? OR ORGANI? OR ARRANG? OR PR-
             OGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?
S7     839116   S6(5N)(TIME? ? OR TIMING OR TEMPORAL? OR CLOCK? OR DURATIO-
             N? OR EVENT? OR SCHEDUL? OR OCCASION? OR DAY? ? OR HOUR? ? OR
             MINUTE? ? OR SECOND? ? OR PERIOD?)
S8      88524   S7(5N)(USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP-
             PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL-
             EMENT?)
S9          1   S5 AND S8
S10         2   S5 AND S7
S11        69   S4 AND S7
S12         1   S10 NOT S9
S13        67   S11 NOT (S9:S10 OR S12)
S14         1   S13 AND MEDIA()PROGRAMMING
S15         3   S13 AND S4(3N)MEDIA
S16         2   S15 NOT S14
S17        64   S13 NOT S14:S16
S18        57   S17 NOT (PR>1997 OR PR=1998:2006)
S19        45   S18 AND (TIMELINE? ? OR S7) AND (MANAG? OR ORGANI? OR ARRA-
             NG? OR PROGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?)
File 350:Derwent WPIX 1963-2006/UD=200666
        (c) 2006 The Thomson Corporation
File 347:JAPIO Dec 1976-2006/Jan(Updated 061009)
        (c) 2006 JPO & JAPIO
```

9/69,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0005614602
WPI ACC NO: 1991-223171/199130
XRPX Acc No: N1991-170338
Media storage and retrieval system - has table manager for storing equivalency relationship between media, and for determining which identify media equivalent to other
Patent Assignee: AVID TECHN INC (AVID-N); AVID TECHNOLOGY INC (AVID-N);
PETERS E C (PETE-I); REBER S J (REBE-I)
Inventor: PETERS E C; REBER S J
Patent Family (17 patents, 18 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1991010321	A	19910711	WO 1990US7483	A	19901219	199130	B
AU 199170585	A	19910724				199143	E
EP 506870	A1	19921007	WO 1990US7483	A	19901219	199241	E
			EP 1991902814	A	19901219		
JP 5503179	W	19930527	WO 1990US7483	A	19901219	199326	E
			JP 1991502581	A	19901219		
US 5267351	A	19931130	US 1989455568	A	19891222	199349	E
AU 199467404	A	19940922	US 1992861862	A	19920617	199439	E
			AU 199467404	A	19940713		
EP 506870	A4	19941228	KR 1992701477	A	19920620	199544	E
CA 2071986	C	19960709	CA 2071986	A	19901219	199638	E
US 5584006	A	19961210	US 1989455568	A	19891222	199704	E
			US 1993159332	A	19931129		
AU 680906	B	19970814	US 1992861862	A	19920617	199741	E
			AU 199467404	A	19940713		
EP 506870	B1	19990519	WO 1990US7483	A	19901219	199924	E
			EP 1991902814	A	19901219		
DE 69033117	E	19990624	DE 69033117	A	19901219	199931	E
			WO 1990US7483	A	19901219		
			EP 1991902814	A	19901219		
US 6061758	A	20000509	US 1989455568	A	19891222	200030	E
			US 1993159332	A	19931129		
			US 1996742431	A	19961030		
			US 1997802197	A	19970214		
JP 3103372	B2	20001030	WO 1990US7483	A	19901219	200057	E
			JP 1991502581	A	19901219		
US 6636869	B1	20031021	US 1989455568	A	19891222	200370	E
			US 1993159332	A	19931129		
			US 1996742431	A	19961030		
			US 1997802197	A	19970214		
			US 2000565968	A	20000505		
US 20040088299	A1	20040506	US 1989455568	A	19891222	200430	E
			US 1993159332	A	19931129		
			US 1996742431	A	19961030		
			US 1997802197	A	19970214		
			US 2000565968	A	20000505		
			US 2003688547	A	20031017		
US 6813622	B2	20041102	US 1989455568	A	19891222	200472	E
			US 1993159332	A	19931129		

US 1996742431 A 19961030
US 1997802197 A 19970214
US 2000565968 A 20000505
US 2003688547 A 20031017

Priority Applications (no., kind, date): US 2003688547 A 20031017; US 2000565968 A 20000505; US 1997802197 A 19970214; US 1996742431 A 19961030; US 1993159332 A 19931129; US 1989455568 A 19891222

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1991010321	A	EN			
National Designated States,Original: AU CA JP KR MC					
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IT LU NL SE					
EP 506870	A1	EN	21	1	PCT Application WO 1990US7483 Based on OPI patent WO 1991010321
Regional Designated States,Original: AT BE CH DE DK ES FR GB IT LI LU NL SE					
JP 5503179	W	JA			PCT Application WO 1990US7483 Based on OPI patent WO 1991010321
US 5267351	A	EN	10	2	
AU 199467404	A	EN			Division of application US 1992861862
EP 506870	A4	EN			
CA 2071986	C	EN			
US 5584006	A	EN	10	2	Continuation of application US 1989455568 Continuation of patent US 5267351
AU 680906	B	EN			Division of application US 1992861862 Previously issued patent AU 9467404
EP 506870	B1	EN			PCT Application WO 1990US7483 Based on OPI patent WO 1991010321
Regional Designated States,Original: AT BE CH DE DK ES FR GB IT LI LU NL SE					
DE 69033117	E	DE			PCT Application WO 1990US7483 Application EP 1991902814 Based on OPI patent EP 506870 Based on OPI patent WO 1991010321
US 6061758	A	EN			Continuation of application US 1989455568 Continuation of application US 1993159332 Continuation of application US 1996742431 Continuation of patent US 5267351 Continuation of patent US 5584006
JP 3103372	B2	JA	84		PCT Application WO 1990US7483 Previously issued patent JP

05503179

			Based on OPI patent WO 1991010321
US 6636869	B1	EN	Continuation of application US 1989455568
			Continuation of application US 1993159332
			Continuation of application US 1996742431
			Continuation of application US 1997802197
			Continuation of patent US 5267351
			Continuation of patent US 5584006
			Continuation of patent US 6061758
US 20040088299	A1	EN	Continuation of application US 1989455568
			Continuation of application US 1993159332
			Continuation of application US 1996742431
			Continuation of application US 1997802197
			Continuation of application US 2000565968
			Continuation of patent US 5267351
			Continuation of patent US 5584006
			Continuation of patent US 6061758
			Continuation of patent US 6636869
US 6813622	B2	EN	Continuation of application US 1989455568
			Continuation of application US 1993159332
			Continuation of application US 1996742431
			Continuation of application US 1997802197
			Continuation of application US 2000565968
			Continuation of patent US 5267351
			Continuation of patent US 5584006
			Continuation of patent US 6061758
			Continuation of patent US 6636869

Alerting Abstract WO A

The system comprises a database manager for retaining references to available media where each such media has a unique source identifier. A table manager stores equivalency relationships between media, and determines which unique source identifiers identify media equivalent to others.

Tools invoke the table manager and accesses the database to determine the media fulfilling a request for access to the media from a unique source identifier and specific range on the source specified by a user.

USE/ADVANTAGE - Media need only be digitised once. Actual location of media in storage is free to be changed. Clips requesting media from one source may receive data from different source. @(210pp Dwg.No.1/1)@

Equivalent Alerting Abstract US A

The method involves reading media files from a media file database, located on a storage device, into a working memory. In response to reading the media files, a table of relations identifying media equiv. to others in at least one common subsection is built in the working memory, by a source identifier that identifies a media source and a segment of the media source identified by a time range as indicated by lengths, frames, time codes or film edge numbers, depending on the type of indexing used on the source media. A request for an operation on a part of a specified one of the media files is accepted. The part is specified in the request by a start time and an end time of the specified media file.

The requested media file is located in the table of relations and, if the requested media segment is not obtd., a media file equiv. to the requested media file is located that satisfies the request. A handle is returned to the located media file. The media files and the table of relations are written from the working memory to the media file database on the storage device.

ADVANTAGE - Media need only be digitised once. Duplicate copies of media are not needed or created.

Title Terms/Index Terms/Additional Words: MEDIUM; STORAGE; RETRIEVAL; SYSTEM; TABLE; MANAGE; RELATED; DETERMINE; IDENTIFY; EQUIVALENT

Class Codes

International Classification (Main): G06F-012/06, G06F-015/40, G06F-017/30, G11B-027/02, H04N-005/76, H04N-005/781

(Additional/Secondary): G11B-027/10, H04N-005/91, H04N-009/80

File Segment: EPI;
DWPI Class: T01; W04
Manual Codes (EPI/S-X): T01-J05B; W04-K05

Original Publication Data by Authority

1Claims:

...identifiers of sources of media data to one or more of the plurality of media **data files** ; and /br means for **dynamically** linking a **clip identifier** to a source of media data by retrieving media data corresponding to the clip identifier...

...What is claimed is: b 1 /b .. A computer- **implemented** method for **managing time** -based media data, comprising:storing first media data,

of
a first media data type, in...

...identifier of a source of the media data to be used for the clip; and
means for dynamically linking one of the plurality **of** **media** data files
to each clip **using** the identifier of the media data for the clip when
the media data for the...

...What is claimed is: **1** . A computer- **implemented** **method** for managing
time-based media data, comprising:storing first media data, of a first media...

12/69,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008595354 - Drawing available
WPI ACC NO: 1998-130911/199812
Related WPI Acc No: 1998-131015
XRPX Acc No: N1998-103271
Graphical interface for computer-assisted motion video editing system - has
selectable interface with video region for previewing motion video program
being edited and video region in each selectable interfaces is at identical
position within single window interface
Patent Assignee: AVID TECHNOLOGY INC (AVID-N); CAVERO-BELAUNDE I M (CAVE-I); FOREMAN K J (FORE-I); GRANGER B D (GRAN-I); LEBLANC D N (LEBL-I)
Inventor: CAVERO-BELAUNDE I M; FOREMAN K J; GRANGER B D; KLINE M H; LEBLANC D N; SPORER M; ZAWOJSKI P
Patent Family (15 patents, 20 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1998005034	A1	19980205	WO 1997US13080	A	19970725	199812	B
AU 199738136	A	19980220	AU 199738136	A	19970725	199828	E
US 5883670	A	19990316	US 1996691985	A	19960802	199918	E
EP 916136	A1	19990519	EP 1997935117	A	19970725	199924	E
			WO 1997US13080	A	19970725		
US 6091778	A	20000718	US 1996691985	A	19960802	200037	E
			US 1998211057	A	19981214		
JP 2000516012	W	20001128	WO 1997US13080	A	19970725	200065	E
			JP 1998509001	A	19970725		
US 20010040592	A1	20011115	US 1996687926	A	19960729	200172	E
			US 2001911145	A	20010723		
US 6469711	B2	20021022	US 1996687926	A	19960729	200273	E
			US 2001911145	A	20010723		
EP 916136	B1	20030326	EP 1997935117	A	19970725	200323	E
			WO 1997US13080	A	19970725		
			EP 200228761	A	19970725		
DE 69720221	E	20030430	DE 69720221	A	19970725	200336	E
			EP 1997935117	A	19970725		
			WO 1997US13080	A	19970725		
EP 1326248	A2	20030709	EP 1997935117	A	19970725	200345	E
			EP 200228761	A	19970725		
US 6628303	B1	20030930	US 1996687926	A	19960729	200367	E
US 20040056882	A1	20040325	US 1996687926	A	19960729	200422	E
			US 2003674033	A	20030929		
US 20040066395	A1	20040408	US 1996687926	A	19960729	200426	E
			US 2003673663	A	20030929		
US 20040071441	A1	20040415	US 1996687926	A	19960729	200426	E
			US 2003673902	A	20030929		

Priority Applications (no., kind, date): US 2003674033 A 20030929; US 2003673902 A 20030929; US 2003673663 A 20030929; US 2001911145 A 20010723; US 1998211057 A 19981214; US 1996687926 A 19960729; US

1996691985 A 19960802

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1998005034	A1	EN	40	16	
National Designated States,Original: AU CA CN JP					
Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
AU 199738136	A	EN			Based on OPI patent WO 1998005034
EP 916136	A1	EN			PCT Application WO 1997US13080 Based on OPI patent WO 1998005034
Regional Designated States,Original: DE FR GB IT NL					
US 6091778	A	EN			Continuation of application US 1996691985 Continuation of patent US 5883670
JP 2000516012	W	JA	67		PCT Application WO 1997US13080 Based on OPI patent WO 1998005034
US 20010040592	A1	EN			Division of application US 1996687926
US 6469711	B2	EN			Division of application US 1996687926
EP 916136	B1	EN			PCT Application WO 1997US13080 Related to application EP 200228761 Based on OPI patent WO 1998005034
Regional Designated States,Original: DE FR GB IT NL					
DE 69720221	E	DE			Application EP 1997935117 PCT Application WO 1997US13080 Based on OPI patent EP 916136 Based on OPI patent WO 1998005034
EP 1326248	A2	EN			Division of application EP 1997935117 Division of patent EP 916136
Regional Designated States,Original: DE FR GB IT NL					
US 20040056882	A1	EN			Continuation of application US 1996687926 Continuation of patent US 6628303
US 20040066395	A1	EN			Continuation of application US 1996687926 Continuation of patent US 6628303
US 20040071441	A1	EN			Continuation of application US 1996687926 Continuation of patent US 6628303

Alerting Abstract WO A1

The device includes a single window interface with a number of alternatively selectable interfaces. A first of the number of selectable interfaces is an interface for making capturing commands available to a user for receiving motion video information to be edited. A second of the number of selectable interfaces is an interface for making editing commands

available to a user for editing the received motion video information. A
third of the number of selectable interfaces is an interface for making playback commands available to a user for outputting the edited motion video information to an external device. A fourth of the number of selectable interfaces includes an interface for making storyboarding commands available to a user for is preparing a plan describing a motion
video program to be edited. Each selectable interface has a video region
for previewing the motion video program being edited and the video region
in each of the selectable interfaces is at an identical position within the
single window interface.
ADVANTAGE - Provides simplified interface that directs users through process of editing video program.

Title Terms/Index Terms/Additional Words: GRAPHICAL; INTERFACE; COMPUTER;
ASSIST; MOTION; VIDEO; EDIT; SYSTEM; SELECT; REGION; PREVIEW; PROGRAM;
IDENTICAL; POSITION; SINGLE; WINDOW

Class Codes
International Classification (Main): G06F-003/00, G09G-005/00, G11B-027/034
, H04N-005/76, H04N-007/12
(Additional/Secondary): G06F-017/30, G06F-003/033, G06F-009/44, G11B-027/00, G11B-027/34, G11B-027/36, H04N-011/02, H04N-011/04, H04N-009/475

File Segment: EngPI; EPI;
DWPI Class: T01; W04; P85
Manual Codes (EPI/S-X): T01-J10C5; T01-J12B; W04-H05E

Original Publication Data by Authority

Claims:
...particular clip of captured motion video; anda capture module (208) having a first input **for** receiving the computerized plan defined **by** the
user, **a** second input for controlling recording of motion video information, and a third input for receiving...

...of the motion picture, wherein each clip has an initial duration defined
by the description **of** the motion picture;receiving **input** from a user
indicating **instructions** **to** associate **motion** video information **stored**
in computer data files with clips in the automatically generated representation of the motion picture...

19/69,K/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0011223425 - Drawing available
WPI ACC NO: 2002-162678/
XRPX Acc No: N2002-124064
Perspective switching method for producing user interactive movie , **involves displaying images stored in** database **storage portions,** selectively , **in response to user instruction**
Patent Assignee: ROACH R G (ROAC-I)
Inventor: ROACH R G
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6243085	B1	20010605	US 1993173431	A	19931227	200221 B

Priority Applications (no., kind, date): US 1993173431 A 19931227

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6243085	B1	EN	8	2	

Alerting Abstract US B1
NOVELTY - A switching box is operably coupled to television set and digital database storage device (2) that is divided into two storage portions containing chain of events perceived from different view points.
The switching box selectively outputs image stored in database storage portions without interruption, in response to instruction received from user.
USE - For producing user interactive movie.
ADVANTAGE - Continuity of chain of **events** is **maintained** , when television is switched from one channel to another channel.
DESCRIPTION OF DRAWINGS - The figure shows the playback system.
2 Database storage device

Title Terms/Index Terms/Additional Words: PERSPECTIVE; SWITCH; METHOD; PRODUCE; USER; INTERACT; MOVIE; DISPLAY; IMAGE; STORAGE; DATABASE; PORTION; SELECT; RESPOND; INSTRUCTION

Class Codes
International Classification (Main): G06F-015/00
(Additional/Secondary): H04N-005/445

File Segment: EPI;
DWPI Class: T01; W03; W04
Manual Codes (EPI/S-X): T01-J05B2B; T01-J05B4F; W03-A16; W04-B10; W04-E04A
Perspective switching method for producing user interactive movie , **involves displaying images stored in** database **storage portions,** selectively , **in response to user instruction**

Alerting Abstract ...ADVANTAGE - Continuity of chain of **events** is **maintained** , when television is switched from one channel to another channel...

Original Publication Data by Authority

Claims:
...box, responsively to input from the user, to switch from the outputting
of the visual **images** of the **series** of events of the first **database** portion to outputting of the visual **images** of the **series** of events of
the second **database** portion at any **selected** event in the series of events without interruption of the sequence of the events; said...

19/69,K/30 (Item 30 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0009624566 - Drawing available
WPI ACC NO: 1999-575451/
Related WPI Acc No: 1996-359724
XRPX Acc No: N1999-424610
Projection image obtaining procedure in video plant **- involves supplying**
various still picture as video **image** data based **on** indication **output by controller**
Patent Assignee: GOTO KOGAKU KENKYUSHO KK (GOTO-N)
Inventor: KASAHARA M; OMORI M
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 11249549	A	19990917	JP 1994334446	A	19941219	199949 B
			JP 1998324412	A	19941219	

Priority Applications (no., kind, date): JP 1998324412 A 19941219; JP 1994334446 A 19941219

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 11249549	A	JA	14	19	Division of application JP 1994334446

Alerting Abstract JP A
NOVELTY - A controller (2) analyzes composing information based on which
indication is output to image supply unit (3). Then, the supply unit supplies various still picture images as video image data on projection image.
USE - For video **plants** , video pavilion in **event** hall, planetarium.
ADVANTAGE - Simplifies implementation, since need of large capacity and
super high speed, large sized computers are avoided. Shortens image production time, since huge variety of image is produced with combination
of images. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram
of image projection system. (2) Controller; (3) Image supply unit.

Title Terms/Index Terms/Additional Words: PROJECT; IMAGE; OBTAIN; PROCEDURE
; VIDEO; **PLANT** ; SUPPLY; VARIOUS; STILL; PICTURE; DATA; BASED; INDICATE;
OUTPUT; CONTROL

Class Codes
International Classification (Main): G09B-027/00

File Segment: EngPI; ;
DWPI Class: P85

Projection image obtaining procedure in video plant - ...

...**involves supplying various still picture as** video **image** data based
on indication **output by controller**

Alerting Abstract ...USE - For video **plants** , video pavilion in **event**
hall, planetarium...

Title Terms.../Index Terms/Additional Words: **PLANT** ;

19/69,K/31 (Item 31 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0009205581 - Drawing available
WPI ACC NO: 1999-130591/199911
Related WPI Acc No: 2003-634495; 2003-801788
XRPX Acc No: N1999-095023
Interactive entertainment system e.g. ITV system - has server which retrieves and transmits viewer configured customized program **list to user, to enable user to order video programs**
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: DUNN M W; SHOFF D J
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5861906	A	19990119	US 1995437096	A	19950505	199911 B

Priority Applications (no., kind, date): US 1995437096 A 19950505

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5861906	A	EN	21	13	

Alerting Abstract US A
NOVELTY - A database (46) in server, stores list of video content programs correlated with a list of viewers, and using which individual viewer is provided with customized list of preferred video programs. When server receives message from VOD user interface unit, the viewer configured customized list is retrieved from database and transmitted to user. The user can review their customized list for ordering video content **program** in customized list. DETAILED DESCRIPTION - Each viewer is assigned with unique viewer ID and each **program** is assigned with unique **program** ID. A join table correlates viewer ID with **program** ID and the server queries the database to obtain **program** IDs of programs in customized list. An INDEPENDENT CLAIM is also included for interactive entertainment network operating method.
USE - E.g. ITV system with VOD application in home.
ADVANTAGE - Enables user to easily **identify movies** of interest. Filters entire **database** into small groups of similar **program** based on intutive criteria. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of interactive entertainment network system. (46) Database.

Title Terms/Index Terms/Additional Words: INTERACT; ENTERTAINMENT; SYSTEM;
ITV; SERVE; RETRIEVAL; TRANSMIT; VIEW; CONFIGURATION; CUSTOMISATION; **PROGRAM** ; LIST; USER; ENABLE; ORDER; VIDEO
Class Codes
International Classification (Main): H04N-007/10

(Additional/Secondary): H04N-007/16

File Segment: EPI;
DWPI Class: W02; W03
Manual Codes (EPI/S-X): W02-F10N3; W03-A02C5A; W03-A16C3C

...has server which retrieves and transmits viewer configured customized
program **list to user, to enable user to order video programs**

Alerting Abstract ...and transmitted to user. The user can review their
customized list for ordering video content **program** in customized list.
DETAILED DESCRIPTION - Each viewer is assigned with unique viewer ID and
each **program** is assigned with unique **program** ID. A join table correlates viewer ID with **program** ID and the server queries the database
to obtain **program** IDs of programs in customized list. An INDEPENDENT CLAIM is also included for interactive entertainment...

...ADVANTAGE - Enables user to easily **identify** **movies** of interest. Filters entire **database** into small groups of similar **program** based on
intutive criteria. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of interactive...

Title Terms.../Index Terms/Additional Words: **PROGRAM** ;

Original Publication Data by Authority

Original Abstracts:
...so forth. Viewers are permitted to select criteria for grouping various
video content programs into **manageable** sets. Lists of programs are provided in one or more scrollable lists, the scrolling rates of which are
programmable . Once grouped, previews for the set of programs are displayed. The VOD application allows the...

...of interest to a customized list. The viewer can retrieve the customized
list at any **time** . If the viewer orders a **program** from the customized
list, the **program** remains available to the viewer for a rental period (which is adjustable). Upon expiration of the rental **period** , however, the
program is no longer readily accessible until ordered again.

19/69,K/32 (Item 32 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008841794 - Drawing available
WPI ACC NO: 1998-388363/199833
XRPX Acc No: N1998-302772
Sprite-based video coding system - in which sprite object uses dominant component of scene motion, due to e.g. camera motion or zoom, to distinguish background images from foreground images
Patent Assignee: SHARP KK (SHAF); SHARP LAB AMERICA (SHAF); SHARP LAB AMERICA INC (SHAF)
Inventor: CRINON R J; CRINON R J A; SEZAN M I
Patent Family (8 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1998029834	A1	19980709	WO 1997JP4814	A	19971225	199833	B
EP 1042736	A1	20001011	EP 1997950389	A	19971225	200052	E
			WO 1997JP4814	A	19971225		
US 6205260	B1	20010320	US 199634558	P	19961230	200118	E
			US 1997999103	A	19971229		
JP 2001507541	W	20010605	WO 1997JP4814	A	19971225	200138	E
			JP 1998529839	A	19971225		
US 6259828	B1	20010710	US 199634558	P	19961230	200141	E
			US 1997999103	A	19971229		
			US 2000493410	A	20000128		
EP 1042736	B1	20030924	EP 1997950389	A	19971225	200363	E
			WO 1997JP4814	A	19971225		
DE 69725186	E	20031030	DE 69725186	A	19971225	200379	E
			EP 1997950389	A	19971225		
			WO 1997JP4814	A	19971225		
JP 2004260840	A	20040916	JP 1998529839	A	19971225	200461	E
			JP 200495933	A	20040329		

Priority Applications (no., kind, date): US 2000493410 A 20000128; US 1997999103 A 19971229; US 199634558 P 19961230

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1998029834	A1	EN	20	6	
National Designated States,Original: CN JP KR SG					
Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
EP 1042736	A1	EN			PCT Application WO 1997JP4814 Based on OPI patent WO 1998029834
Regional Designated States,Original: DE FR GB					
US 6205260	B1	EN			Related to Provisional US 199634558
JP 2001507541	W	JA	28		PCT Application WO 1997JP4814 Based on OPI patent WO 1998029834
US 6259828	B1	EN			Related to Provisional US 199634558 Division of application US 1997999103

EP 1042736	B1	EN		PCT Application WO 1997JP4814 Based on OPI patent WO 1998029834
Regional Designated States,Original: DE FR GB				
DE 69725186	E	DE		Application EP 1997950389 PCT Application WO 1997JP4814 Based on OPI patent EP 1042736 Based on OPI patent WO 1998029834
JP 2004260840	A	JA	13	Division of application JP 1998529839

Alerting Abstract WO A1

The sprite-based coding system includes an encoder and decoder in which sprite-building is automatic and segmentation of the sprite object is automatic and built into the sprite building together with the coding process.

The sprite object is distinguished from the rest of the video objects on the basis of its motion, and therefore uses dominant motion, to distinguish background images from foreground images. The automatic segmentation integrated in the sprite-based coding system identifies the shape and texture of the sprite object.

USE - Video object-based coding framework e.g. MPEG-4, in which shape and texture of individual objects are coded separately, e.g. video conferencing with multiple cameras.

ADVANTAGE - Sprite-building is automatic and segmentation of sprite object is automatic and integrated into sprite building and coding process.

Title Terms/Index Terms/Additional Words: SPRITE; BASED; VIDEO; CODE; SYSTEM; OBJECT; DOMINANT; COMPONENT; SCENE; MOTION; CAMERA; ZOOM; DISTINGUISH; BACKGROUND; IMAGE; FOREGROUND

Class Codes

International Classification (Main): G06K-009/36, G06K-009/54, G06T-009/00, H04N-007/32

(Additional/Secondary): G06T-011/180, H04N-001/387, H04N-009/74

File Segment: EPI;

DWPI Class: T01; W04

Manual Codes (EPI/S-X): T01-J10D; W04-P01A4

Original Publication Data by Authority

Claims:

...plusieurs images, comprenant:la formation d'une mosaique a partir d'une premiere image;la **segmentation** d'une seconde image en **regions** d'arriere-plan et **regions** d'avant-plan par identification des variations entre la seconde image courbee et la mosaique; etla mise a jour de la mosaique uniquement- avec **les** regions d'arriere- **plan** segmentees de

la
seconde image,le procede comprenant:a) l'identification de regions ayant
fait l'objet de variations entre la premiere et la seconde image;b) la
segmentation **de** regions d' **arriere** -plan de la seconde image dans
laquelle des regions associees d'une mosaique presente sont...

...variation des regions associees de la premiere et de la seconde image;c)
la segmentation **de** regions d' **arriere** -plan de la seconde image dans
laquelle aucune variation n'a ete identifiee entre la seconde image et les
regions associees de la mosaique presente;d) la segmentation **de** regions
d' **avant** -plan de la seconde image dans laquelle sont apparues des
variations entre la seconde image et les regions associees de la mosaique
presente;e) la segmentation **de** regions d' **avant** -plan de la seconde image
dans laquelle ont ete identifiees des variations entre la premiere...
...et dans laquelle des regions associees de la mosaique presente sont
inconnues; etf) la **segmentation** de regions **d** 'avant-plan de la seconde
image dans laquelle ont ete identifiees des regions qui n...

...feature extractor for extracting features of the video clip from the
mosaic, and for identifying **representative ones** of the extracted
features ; a video database for storing **and** organizing video bitstreams
and their associated identified representative features; anda search engine
for searching...

19/69,K/33 (Item 33 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0007778817 - Drawing available
WPI ACC NO: 1996-404962/199641
XRPX Acc No: N1996-341150
Data transmission system for program **data e.g. movie software - has control unit which controls several recording-and-reproducing devices to output reproduction data from several reproduction units corresp. to access timing from external**
Patent Assignee: SONY CORP (SONY)
Inventor: HARAGUCHI H
Patent Family (4 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 7093953	A	19950407	JP 1994156163	A	19940707	199641	B
US 5721803	A	19980224	US 1994280353	A	19940726	199815	E
			US 1996774899	A	19961227		
US 5974217	A	19991026	US 1994280353	A	19940726	199952	E
			US 1996774899	A	19961227		
			US 1997932074	A	19970917		
JP 3456018	B2	20031014	JP 1994156163	A	19940707	200369	E

Priority Applications (no., kind, date): JP 1994156163 A 19940707; JP 1993183977 A 19930726

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 7093953	A	JA	32	13	
US 5721803	A	EN	23	13	Continuation of application US 1994280353
US 5974217	A	EN			Continuation of application US 1994280353
					Continuation of application US 1996774899
					Continuation of patent US 5721803
JP 3456018	B2	JA	26		Previously issued patent JP 07093953

Alerting Abstract JP A

The system has a reproduction unit provided in a library device, which automatically regenerates several first recording medium. A recording unit records the reproduction data from the library device to a second recording medium enabled to a random access. Several reproduction unit comprised in several recording-and-reproducing devices respectively generates a recording data from the second recording medium.

An output signal from several recording-and-reproducing devices is supplied alternatively to one or several data supply unit. A control

unit
is provided which controls several recording-and-reproducing devices to output the reproduction data from several reproduction units corresp. to an
access timing from an external.
ADVANTAGE - Sequentially generates reproduction data from several reproduction units according to access timing; enables to reduce number-of-sets of magneto optical disc and number of same **program** counters.

Title Terms/Index Terms/Additional Words: DATA; TRANSMISSION; SYSTEM; **PROGRAM** ; MOVIE; SOFTWARE; CONTROL; UNIT; RECORD; REPRODUCE; DEVICE; OUTPUT; CORRESPOND; ACCESS; TIME; EXTERNAL

Class Codes
International Classification (Main): G11B-027/034, G11B-027/10, H04N-009/89
(Additional/Secondary): G11B-015/68, G11B-019/02, H04N-005/78, H04N-005/91
, H04N-005/937, H04N-007/10, H04N-007/14

File Segment: EPI;
DWPI Class: W02; W04
Manual Codes (EPI/S-X): W02-F05A3C; W04-J05; W04-K05
Data transmission system for program **data e.g. movie software...**

Alerting Abstract ...timing; enables to reduce number-of-sets of magneto
optical disc and number of same **program** counters.

Title Terms.../Index Terms/Additional Words: **PROGRAM** ;

Original Publication Data by Authority

Original Abstracts:
A VOD delivery system for delivering **program** data such as of movies or
the like on a real-time basis which are...

...A VOD delivery system for delivering **program** data such as of movies or
the like on a real-time basis which are...
Claims:
...and a plurality of first playback means for reproducing a first plurality of encoded video **program** data signal stored on said plurality
of first recording media;memory means, coupled to said library, for storing
the video **program** data signals reproduced from said library, said memory
means comprising:a plurality of second recording media;recording means for
recording the video **program** data signals reproduced from said library to
at least one of said plurality of second recording media; anda plurality of

second playback means for reproducing a second plurality of video program data signals from said plurality of second recording media ;control means for controlling said library and for controlling said memory means to transmit said second plurality of video program data
signals as a function of an external access timing, said control means
comprising:reception means for receiving information indicative of a video program requested for playback ;database means for determining whether the requested video program is recorded on at least one of said
plurality of second recording media;search and playback control means
for searching for an idle second playback means operable with the second
recording medium having the requested program recorded thereon, and for
reproducing the requested video program with said idle second playback
means; anddubbing means for dubbing the requested video program onto another of said plurality of second recording media if said second recording medium having the requested video program thereon has no idle
second playback means operable therewith...

...of first recording media and a plurality of first playback means for reproducing a first plurality of program data signals stored on said plurality of first recording media;memory means, coupled to said library,
for storing the program data signals reproduced from said library, said
memory means comprising:a plurality of second recording media;recording means for recording the program data signals reproduced from said library
to at least one of said plurality of second recording media; anda plurality
of second playback means for reproducing a second plurality of program
data signals from said plurality of second recording media; control means for controlling said library and for controlling said memory means
to transmit said second plurality of program data signals as a function
of an access timing, said control means comprising:reception means for
receiving information indicative of a program requested for
playback;database means for determining whether the requested program is
recorded on at least one of said plurality of second recording media; and search and playback control means for searching for an idle second playback means operable with the second recording medium having the requested program recorded thereon, and for reproducing the requested program with said idle second playback means; anddubbing means for dubbing the requested program onto another of said plurality of second recording media if said second recording medium having the requested program thereon has no idle second playback means operable therewith.

19/69,K/34 (Item 34 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0007691791
WPI ACC NO: 1996-313754/
XRPX Acc No: N1996-263920
Scene reference method for scene saved in database - by searching appearance order time acquired for scene reference part, and same specified scene **from input device in** database
Patent Assignee: TOSHIBA KK (TOKE)
Inventor: MORI T
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 8137900	A	19960531	JP 1994274623	A	19941109	199632 B

Priority Applications (no., kind, date): JP 1994274623 A 19941109

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 8137900	A	JA	13	12	

Alerting Abstract JP A

The method involves specifying a scene that combines several media spatially and in time in an input device (1). The media of the specified scene for reference that inputs in a media specification unit (24), is set as media **management** unit (32). A **time** specification unit (22) sets a time-base information on the specified media as a **time** -base **management** unit (33).

An example scene reference part (51) with a media set as the media **management** unit from the **time** -base information set as the **time** -base **management** unit, acquires an appearance order **time** . The specified scene from the input device and the appearance order time are searched from a database (6). The reference result is shown in a display unit (4) by a reference result display (52).

ADVANTAGE - Enables desired scene to be searched easily and quickly from scenes filed in database even if file name is not known since various media and appearance time relation information can be referred in database.

Title Terms/Index Terms/Additional Words: SCENE; REFERENCE; METHOD; SAVE; DATABASE; SEARCH; APPEAR; ORDER; TIME; ACQUIRE; PART; SPECIFIED; INPUT; DEVICE

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B3; T01-J09; T01-J10

...by searching appearance order time acquired for scene reference part,
and same specified scene **from input device in** database

Alerting Abstract ...scene for reference that inputs in a media specification unit (24), is set as media **management** unit (32). A **time** specification unit (22) sets a time-base information on the specified media as a **time** -base **management** unit (33...

...An example scene reference part (51) with a media set as the media **management** unit from the **time** -base information set as the **time** -base **management** unit, acquires an appearance order **time** . The specified scene from the input device and the appearance order time are searched from...

19/69,K/35 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

0006987478 - Drawing available

WPI ACC NO: 1994-342225/199442

Related WPI Acc No: 1994-342224; 1996-300072; 1998-531179; 2003-787532

XRPX Acc No: N1994-268411

Media pipeline circuit for processing digital still image sequences - has two compression-decompression channels for processing still images sequences for feeding to blender unit

Patent Assignee: AVID TECHNOLOGY INC (AVID-N)

Inventor: CACCIATORE R; CACCIATORE R D; KURTZ J; KURTZE J; KURTZE J D; PETERS E C; WALSH J; ZAWOJSKI P

Patent Family (19 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1994024815	A1	19941027	WO 1994US4253	A	19940418	199442	B
AU 199467989	A	19941108	AU 199467989	A	19940418	199507	E
EP 705517	A1	19960410	EP 1994914827	A	19940418	199619	E
			WO 1994US4253	A	19940418		
JP 9501545	W	19970210	JP 1994523526	A	19940418	199716	E
			WO 1994US4253	A	19940418		
US 5644364	A	19970701	WO 1994US4253	A	19940418	199732	E
			US 1995347394	A	19950306		
AU 694119	B	19980716	AU 199467989	A	19940418	199840	E
AU 199889366	A	19990114	AU 199467989	A	19940418	199914	E
			AU 199889366	A	19981016		
AU 717526	B	20000330	AU 199467989	A	19940418	200026	E
			AU 199889366	A	19981016		
EP 1111910	A2	20010627	EP 1994914827	A	19940418	200137	E
			EP 2001102495	A	19940418		
EP 705517	B1	20011017	EP 1994914827	A	19940418	200169	E
			WO 1994US4253	A	19940418		
			EP 2001102495	A	19940418		
DE 69428701	E	20011122	DE 69428701	A	19940418	200201	E
			EP 1994914827	A	19940418		
			WO 1994US4253	A	19940418		
US 6357047	B1	20020312	WO 1994US4253	A	19940418	200221	E
			US 1995347394	A	19950306		
			US 1997885006	A	19970630		
US 6532043	B1	20030311	US 199349028	A	19930416	200321	E
			WO 1994US4253	A	19940418		
			US 1994230050	A	19940419		
			US 1995347394	A	19950306		
			US 1996665277	A	19960617		
			US 1997885006	A	19970630		
			US 1997932557	A	19970919		
CA 2160477	C	20040203	CA 2160477	A	19940418	200411	E
			WO 1994US4253	A	19940418		
EP 1111910	B1	20040929	EP 1994914827	A	19940418	200464	E
			EP 2001102495	A	19940418		
DE 69434047	E	20041104	DE 69434047	A	19940418	200474	E
			EP 2001102495	A	19940418		
JP 2005110318	A	20050421	JP 1994523526	A	19940418	200527	E

			JP 2005120	A	20050104			
DE 69434047	T2	20051006	DE 69434047	A	19940418	200566	E	
			EP 2001102495	A	19940418			
JP 2006141042	A	20060601	JP 1994523526	A	19940418	200637	E	
			JP 2005338614	A	20051124			

Priority Applications (no., kind, date): GB 19937894 A 19930416

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1994024815	A1	EN	22	8	
National Designated States,Original: AU CA CN GB JP US					
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
AU 199467989	A	EN			Based on OPI patent WO 1994024815
EP 705517	A1	EN	22	8	PCT Application WO 1994US4253 Based on OPI patent WO 1994024815
Regional Designated States,Original: BE DE FR GB IT NL					
JP 9501545	W	JA	29		PCT Application WO 1994US4253 Based on OPI patent WO 1994024815
US 5644364	A	EN	13	8	PCT Application WO 1994US4253 Based on OPI patent WO 1994024815
AU 694119	B	EN			Previously issued patent AU 9467989
AU 199889366	A	EN			Based on OPI patent WO 1994024815 Division of application AU 199467989
AU 717526	B	EN			Division of application AU 199467989 Previously issued patent AU 9889366
EP 1111910	A2	EN			Division of patent AU 694119 Division of application EP 1994914827 Division of patent EP 705517
Regional Designated States,Original: BE DE FR GB IT NL					
EP 705517	B1	EN			PCT Application WO 1994US4253 Related to application EP 2001102495 Related to patent EP 1111910 Based on OPI patent WO 1994024815
Regional Designated States,Original: BE DE FR GB IT NL					
DE 69428701	E	DE			Application EP 1994914827 PCT Application WO 1994US4253 Based on OPI patent EP 705517 Based on OPI patent WO 1994024815
US 6357047	B1	EN			Continuation of application WO 1994US4253 Continuation of application US 1995347394
US 6532043	B1	EN			C-I-P of application US 199349028

				Continuation of application WO 1994US4253
				Continuation of application US 1994230050
				Continuation of application US 1995347394
				Division of application US 1996665277
				Division of application US 1997885006
				C-I-P of patent US 5440348 Continuation of patent US 5528310 Continuation of patent US 5644364 Division of patent US 5812216 Division of patent US 6357047
CA 2160477	C	EN		PCT Application WO 1994US4253 Based on OPI patent WO 1994024815
EP 1111910	B1	EN		Division of application EP 1994914827
				Division of patent EP 705517
Regional Designated States,Original: BE DE FR GB IT NL				
DE 69434047	E	DE		Application EP 2001102495 Based on OPI patent EP 1111910
JP 2005110318	A	JA	16	Division of application JP 1994523526
DE 69434047	T2	DE		Application EP 2001102495 Based on OPI patent EP 1111910
JP 2006141042	A	JA	14	Division of application JP 1994523526

Alerting Abstract WO A1

The circuit has two channels for communicating two sequences of digital still images at a rate for simulating video. A controller directs still images to one of the two channels. A blender has two inputs connected to the two sequences of digital still images as real-time video effect data.

The blender enables effects such as dissolves, wipes and chroma keys to be performed on the two streams of data. Complex arbitrary three-dimensional effects may also be provided via an external interface.

ADVANTAGE - Provides improved media-pipeline circuit able to produce real-time video output data.

Title Terms/Index Terms/Additional Words: MEDIUM; PIPE; CIRCUIT; PROCESS; DIGITAL; STILL; IMAGE; SEQUENCE; TWO; COMPRESS; DECOMPRESS; CHANNEL; FEED ; BLEND; UNIT

Class Codes

International Classification (Main): G06F-005/00, G06T-001/20, H04N-

005/262
, H04N-005/91, H04N-009/74
(Additional/Secondary): G09F-005/00, H04N-005/265
International Classification (+ Attributes)
IPC + Level Value Position Status Version
H04N-0005/268 A I F B 20060101

File Segment: EngPI; EPI;
DWPI Class: T01; W04; P85
Manual Codes (EPI/S-X): T01-D02; T01-J10B; W04-H05; W04-N05G1

Original Publication Data by Authority

Claims:

...of video data to be read for the sequence;for the selected sequence, reading the **desired** amount of **video** data from the **data file** for the **selected** sequence in the file system;receiving effect parameters defining the digital video effect;processing the...

...desired amount of video data to be read for the sequence;for the selected sequence, **reading** the desired **amount** of video data **from the** data file **for** the selected sequence in the file system (40);receiving effect parameters defining the digital video...

...defining motion video, comprising the steps of:periodically transferring pixel data of images from the **first** and second sequences **into** first and second buffer circuits to maintain valid data in the first and second buffer...

...files to a first and a second data buffer, respectively;receiving a transition signal defining **a** transition **from** the first sequence to the **second** sequence;controlling reading of the first and second sequences from the first and second buffers...

19/69,K/36 (Item 36 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0006657350 - Drawing available
WPI ACC NO: 1994-035382/199404
XRPX Acc No: N1994-027512
Generating digital representation of video-tape signals - representing video signal digitally, and excluding redundant video fields for replay at
second pre-specified rate of frames per second
Patent Assignee: AVID TECHNOLOGY INC (AVID-N); O'CONNOR P D (OCON-I); PETERS E C (PETE-I); PHILLIPS M E (PHIL-I)
Inventor: O'CONNOR P D; OCONNOR P D; PETERS E C; PHILLIPS M E
Patent Family (11 patents, 39 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1994001971	A2	19940120	WO 1993US6299	A	19930701	199404	B
AU 199346624	A	19940131	AU 199346624	A	19930701	199422	E
EP 648399	A1	19950419	EP 1993916932	A	19930701	199520	E
			WO 1993US6299	A	19930701		
US 5905841	A	19990518	US 1992908192	A	19920701	199927	E
			US 1995393886	A	19950224		
US 5930445	A	19990727	US 1992908192	A	19920701	199936	E
			US 1995393877	A	19950224		
CA 2139420	C	20001212	CA 2139420	A	19930701	200103	E
			WO 1993US6299	A	19930701		
EP 1071092	A2	20010124	EP 1993916932	A	19930701	200107	E
			EP 2000108141	A	19930701		
CA 2327070	A1	19940120	CA 2139420	A	19930701	200112	E
			CA 2327070	A	19930701		
CA 2327070	C	20011225	CA 2139420	A	19930701	200210	E
			CA 2327070	A	19930701		
US 6618547	B1	20030909	US 1992908192	A	19920701	200361	E
			US 1995393877	A	19950224		
			US 1999304932	A	19990504		
US 20040057696	A1	20040325	US 1992908192	A	19920701	200422	E
			US 1995393877	A	19950224		
			US 1999304932	A	19990504		
			US 2003657800	A	20030908		

Priority Applications (no., kind, date): US 2003657800 A 20030908; US 1999304932 A 19990504; US 1995393886 A 19950224; US 1995393877 A 19950224; US 1992908192 A 19920701

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1994001971	A2	EN	47	7	

National Designated States,Original: AU BB BG BR CA CZ FI HU JP KP KR LK
MG MN MW NO NZ PL RO RU SD SK UA
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE

AU 199346624	A	EN	Based on OPI patent	WO 1994001971

EP 648399	A1	EN	47	7	PCT Application WO 1993US6299 Based on OPI patent WO 1994001971
Regional Designated States,Original: GB					
US 5905841	A	EN			Continuation of application US 1992908192
US 5930445	A	EN			Division of application US 1992908192
CA 2139420	C	EN			PCT Application WO 1993US6299 Based on OPI patent WO 1994001971
EP 1071092	A2	EN			Division of application EP 1993916932 Division of patent EP 648399
Regional Designated States,Original: GB					
CA 2327070	A1	EN			Division of application CA 2139420
CA 2327070	C	EN			Division of application CA 2139420
US 6618547	B1	EN			Division of application US 1992908192 Continuation of application US 1995393877 Continuation of patent US 5930445
US 20040057696	A1	EN			Division of application US 1992908192 Continuation of application US 1995393877 Continuation of application US 1999304932 Continuation of patent US 5930445 Continuation of patent US 6618547

Alerting Abstract WO A2

The method involves identifying the redundant video fields in the video frame sequence of a video signal. Identification is achieved by assigning a capture mask value to each video field in the video frame sequence. The capture mask value of a field is '0' if the field is redundant and '1' for all other fields.

The video frame sequence is digitised, excluding the identified redundant video fields. The digitised video frames are compressed to generate a digital representation of the video signal which plays at a second pre-specified rate of frames per second. The digitised representation of the video signal is stored on a digital storage device.

USE/ADVANTAGE - Electronic editing of video film and audio source material. By reformatting analog video as it is digitised, system can electronically edit film based on same metric used in conventional film editing. Improved precision and flexibility.

Title Terms/Index Terms/Additional Words: GENERATE; DIGITAL; REPRESENT; VIDEO; TAPE; SIGNAL; EXCLUDE; REDUNDANT; FIELD; REPLAY; SECOND; PRE;

SPECIFIED; RATE; FRAME; PER; ELECTRONIC; EDITING; NTSC

Class Codes
International Classification (Main): G11B-027/034, H04N-003/36, H04N-005/76
, H04N-005/93, H04N-007/01
(Additional/Secondary): G11B-027/00, G11B-027/031, H04B-007/185, H04N-005/253

File Segment: EPI;
DWPI Class: S06; W04
Manual Codes (EPI/S-X): S06-B05; W04-B10C; W04-H05
Original Publication Data by Authority

Claims:
...to produce an edited sequence of digital images; andmeans for generating
a representation of **a** programme from the edited sequence of digital images...

...of 24 frames per second;a nonlinear editing system, including:means for
permitting a user **to** specify scenes from the sequences **of** **digital** images stored in **the** **data** files on the random access computer readable
medium, wherein **a** scene is defined by a reference to **a** **data** file storing **a** selected one of the sequences of digital images and by frame
points designated in the...

...A computer-based system for non-linear **editing** of a program from a **source** having a temporal resolution corresponding to a playback rate of 24
frames per second, comprising...

...resolution corresponding to the playback rate of 24 frames per second;
andmeans for generating **a** representation of the program from the sequence
of segments of the sequences of digital images...
...of redundant video fields being included in the video frame sequence,
comprising:identifying the redundant **video** fields in the video **frame** **sequence** **using** a data file indicative of a pulldown sequence used to generate the video frame sequence...

19/69,K/37 (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0006657249 - Drawing available
WPI ACC NO: 1994-035261/199404
Related WPI Acc No: 1998-311831; 2000-586033; 2001-181276; 2002-689362
XRPX Acc No: N1994-027392
Single chip IC appts. for video instruction set computing - has functional units to handle communication, bandwidth adaption, application control, multimedia management **and universal video encoding**
Patent Assignee: SHAW S M (SHAW-I); SHAW V M (SHAW-I)
Inventor: SHAW S M; SHAW V M
Patent Family (8 patents, 36 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1994001824	A1	19940120	WO 1993US5863	A	19930617	199404	B
AU 199347686	A	19940131	AU 199347686	A	19930617	199422	E
GB 2284525	A	19950607	WO 1993US5863	A	19930617	199526	E
			GB 1995137	A	19950105		
US 5457780	A	19951010	US 1991686773	A	19910417	199546	E
			US 1992909312	A	19920706		
GB 2284525	B	19960320	WO 1993US5863	A	19930617	199615	E
			GB 1995137	A	19950105		
US 5611038	A	19970311	US 1991686773	A	19910417	199716	NCE
			US 1994297409	A	19940829		
AU 677791	B	19970508	AU 199347686	A	19930617	199727	E
CA 2139660	C	20000314	CA 2139660	A	19930617	200032	E
			WO 1993US5863	A	19930617		

Priority Applications (no., kind, date): US 1994297409 A 19940829; US 1991686773 A 19910417; US 1992909312 A 19920706

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1994001824	A1	EN	116	4	
National Designated States,Original: AT AU BB BG BR CA CH DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE US					
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE					
AU 199347686	A	EN			Based on OPI patent WO 1994001824
GB 2284525	A	EN	1	1	PCT Application WO 1993US5863
					Based on OPI patent WO 1994001824
US 5457780	A	EN	17	4	C-I-P of application US 1991686773
GB 2284525	B	EN	1		PCT Application WO 1993US5863
					Based on OPI patent WO 1994001824
US 5611038	A	EN	86	44	Continuation of application US 1991686773
AU 677791	B	EN			Previously issued patent AU 9347686
					Based on OPI patent WO 1994001824

CA 2139660 C EN PCT Application WO 1993US5863
Based on OPI patent WO 1994001824

Alerting Abstract WO A1

The single chip integrated circuit system includes functional units based on Video-Instruction-Set-Computing(VISC). The chip includes a number of functional units. A scalable formatter element handles arbitrary external video formats and adapt to internal formats accounting for available bandwidth. Video data blocks are held in a smart memory. The circuit also has an embedded RISC or CISC co-processor element to support DOS etc.

Using a real-time object-oriented operating system with concurrent execution of application and VISC the unit provides processing for interactive video, HDTV and multimedia communications.

ADVANTAGE - Provides a scalable integrated computing architecture for digital or algorithmic complex data types.

Equivalent Alerting Abstract US A

An integrated system optimized for a video-instruction set executing a plurality of applications for the storage, retrieval and scalable formatting of video data, comprising:

a frame capture state, first data processing means for the selective receipt of a local or remote signal, said first data processing means preprocessing the remote signal to produce a real-time frame differential bit map and micro-blocks sub-images at said frame capture stage during a first period of time;

first **controller** means producing a run **time** object **priority** assignment signal in accordance with said micro block sub images during a second period of time subsequent to said first **period** of **time** , **second** **controller** means for producing and preetching look-ahead group instruction sequences for run-time execution of each of said micro block sub images in accordance with said run- **time** object **priority** assignment, third **controller** means connected to said first data processing means for producing a run-time bandwidth requirement signal for each of said micro block sub images in accordance with said frame differential bit map, based upon said preetching look-ahead group instruction sequences produced during said first period of time;

second data processor means connected to said first data processor means and said **second** **controller** means for scalable data formatting of the micro block sub image data to a compatible internal format in accordance with said run- **time** object **priority** assignment, third data processor

means connected to said second data processor for encoding said compatible
internal format of said micro block sub images to produce encoded micro block sub images;
fourth data processor means connected to said third data processor means
for packaging said encoded micro block sub images based upon said prefetched instruction-look-ahead sequences to produce packaged data, said
fourth data processor means further comprising a transmitter means for remote network transmission;
scalable and reconfiguration data memory means for receipt of said packaged data and automatically self-configuring said packaged data into a
plurality of internally storable entities, said scalable and reconfiguration data memory means comprising at least one memory cell and
their associated sensing, register, control, **management** and interface circuits, as well as a run-time adaptive decision-making logic means for
receiving a set of run-time variables corresponding to user, application,
and networking conditions, and producing a run-time executable data storage
configuration in order to address, store, and retrieve the most recently-optimized run-time video articles or objects;
decoder means connected to said scalable and reconfigurable data memory
and said prefetched instruction-look-ahead sequences to produce a decoded
signal; and
display means connected to said decoder means for post processing said
decoded signal in accordance with said prefetched instruction-look-ahead
sequences, said display means comprising a plurality of display, facsimile
or printer adapters.

Title Terms/Index Terms/Additional Words: SINGLE; CHIP; IC; APPARATUS; VIDEO; INSTRUCTION; SET; COMPUTATION; FUNCTION; UNIT; HANDLE; COMMUNICATE
; BANDWIDTH; ADAPT; APPLY; CONTROL; **MANAGEMENT** ; UNIVERSAL; ENCODE

Class Codes
International Classification (Main): G06F-015/21, G06F-015/62, G06F-017/00,
G06T-001/00, G06T-001/20
(Additional/Secondary): G06T-001/60, H04N-007/015

File Segment: EPI;
DWPI Class: T01; U13; W04
Manual Codes (EPI/S-X): T01-F05; T01-F07; T01-M02B; T01-M05; U13-C05; W04-N05G5

...has functional units to handle communication, bandwidth adaption,

application control, multimedia management **and universal video encoding**

Equivalent Alerting Abstract ...first **controller** means producing a run
time object **priority** assignment signal in accordance with said micro block sub images during a second period of time subsequent to said first
period of **time** , **second** **controller** means for producing and preetching
look-ahead group instruction sequences for run-time execution of each of
said micro block sub images in accordance with said run- **time** object **priority** assignment, third **controller** means connected to said first data
processing means for producing a run-time bandwidth requirement...

...second data processor means connected to said first data processor means
and said **second** **controller** means for scalable data formatting of the
micro block sub image data to a compatible internal format in accordance
with said run- **time** object **priority** assignment, third data processor means connected to said second data processor for encoding said compatible
...

...data memory means comprising at least one memory cell and their associated sensing, register, control, **management** and interface circuits,
as well as a run-time adaptive decision-making logic means for...

Title Terms.../Index Terms/Additional Words: **MANAGEMENT** ;

Original Publication Data by Authority

Original Abstracts:
...functional units to independently execute the tasks of remote communication, bandwidth adaptation, application control, multimedia **management** , and universal video encoding. The integrated circuit is also
comprised of scalable formatter element connecting...

...to the functional units and scalable formatter, which can access, store,
and transfer blocks of **video** **data** **based** on **selective** internal format. In the preferred embodoment, the integrated circuit is also comprised of an embedded...

...includes a real time object oriented operation system element wherein
concurrent execution of the application **program** and real **time** VISC based video instruction sets can be performed. The present invention is designed to sustain...
...monitors the run-time status and condition changes of the

telecommunications network and would dynamically **control** and adjust, on a
real **time** basis, the corresponding network bandwidth prior to immediately
transmitting all of the video and audio...

...functional units to independently execute the tasks of remote communication, bandwidth adaptation, application control, multimedia **management** , and universal video encoding. The integrated circuit is also
comprised of scalable formatter element connecting...

...to the functional units and scalable formatter, which can access, store,
and transfer blocks of **video data based** on **selective** internal format. In the preferred embodiment,the integrated circuit is also comprised of an embedded...

...includes a real time object oriented operation system element wherein
concurrent execution of the application **program** and real **time** VISC based video instruction sets can be performed. The present invention is designed to sustain...

Claims:

...frame differential bit map and microblocks subimages at the frame capture stage prior to run- **time** ; first **controller** means producing a run
time object **priority** assignment signal in accordance with said microblock subimages; **second controller** means for producing and prefetching look-ahead group instruction sequences for run-time execution
of each of said microblock subimages in accordance with said rn- **time** object **priority** assignment; third **controller** means connected to said
first data processing means for producing a run-time bandwidth requirement
...

...of the microblock subimage data to a compatible internal format in accordance with said run- **time** object **priority** assignment; third data
processor means connected to aid second data processor for encoding said
compatible...

...frame differential bit map and microblocks subimages at said frame capture stage during a first **period** of **time** ; first **controller** means
producing a run **time** object **priority** assignment signal in accordance
with said microblock subimages during a second period of time subsequent to
said first **period** of **time** ; **second controller** means for producing
and prefetching look-ahead group instruction sequences for run-time execution of each of said microblock subimages in accordance with said run-

time object **priority** assignment; third **controller** means connected to
said first data processing means for producing a run-time bandwidth requirement...

...of time; second data processor means connected to said first data processor means and said **second** **controller** means for scaleable data formatting of the microblock subimage data to a compatible internal format
in accordance with said run- **time** object **priority** assignment; third data
processor means connected to said second data processor for encoding said
compatible...

...data memory means comprising at least one memory cell and their associated sensing, register, control, **management** and interface circuits,
as well as a run-time adaptive decision-making logic means for...

...device continuously monitoring run-time status and condition changes of
said telecommunications network and dynamically **controlling** and adjusting
on a real **time** basis corresponding network bandwidth utilization by said
video and audio information prior to immediately transmitting...

19/69,K/38 (Item 38 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0006195983 - Drawing available
WPI ACC NO: 1992-132411/199216
Related WPI Acc No: 1992-132329; 1992-132330; 1992-132331; 1992-132405; 1992-132406; 1992-132407; 1992-132412
XRPX Acc No: N1992-098773

Digitised picture playback system for CD - has user generated picture parameter data stored in separate medium and is removably interfaced withmicro-controller and contains contrast

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG); PHILIPS ELECTRONICS NV (PHIG); PHILIPS GLOEILAMPENFAB NV (PHIG); US PHILIPS CORP (PHIG)
Inventor: TIMMERMANS J M K

Patent Family (10 patents, 33 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1992005657	A	19920402	WO 1991NL169	A	19910913	199216	B
AU 199186567	A	19920415	AU 199186567	A	19910913	199230	E
			WO 1991NL169	A	19910913		
EP 549689	A1	19930707	EP 1991917101	A	19910913	199327	E
			WO 1991NL169	A	19910913		
CN 1067545	A	19921230	CN 1991109786	A	19910913	199336	E
JP 6501363	W	19940210	JP 1991517454	A	19910913	199411	E
			WO 1991NL169	A	19910913		
EP 549689	B1	19951206	EP 1991917101	A	19910913	199602	E
			WO 1991NL169	A	19910913		
DE 69115284	E	19960118	DE 69115284	A	19910913	199608	E
			EP 1991917101	A	19910913		
			WO 1991NL169	A	19910913		
ES 2083594	T3	19960416	EP 1991917101	A	19910913	199623	E
US 5543925	A	19960806	WO 1991NL169	A	19910913	199637	E
			US 1993982739	A	19930716		
KR 242756	B1	20000201	WO 1991NL169	A	19910913	200118	E
			KR 1993700806	A	19930318		

Priority Applications (no., kind, date): EP 1990202487 A 19900919; NL 19902110 A 19900927

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1992005657	A	EN	61	27	

National Designated States,Original: AU BB BG BR CA CS FI HU JP KP KR LK MG MW NO PL RO SD SU US
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IT LU NL SE

AU 199186567	A	EN			PCT Application WO 1991NL169 Based on OPI patent WO 1992005657
EP 549689	A1	EN		1	PCT Application WO 1991NL169 Based on OPI patent WO 1992005657

Regional Designated States,Original: DE ES FR GB IT

JP 6501363	W	JA			PCT Application WO 1991NL169 Based on OPI patent WO 1992005657
EP 549689	B1	EN	37	27	PCT Application WO 1991NL169 Based on OPI patent WO 1992005657
Regional Designated States,Original: DE ES FR GB IT					
DE 69115284	E	DE			Application EP 1991917101 PCT Application WO 1991NL169 Based on OPI patent EP 549689 Based on OPI patent WO 1992005657
ES 2083594	T3	ES			Application EP 1991917101 Based on OPI patent EP 549689
US 5543925	A	EN	31	27	PCT Application WO 1991NL169 Based on OPI patent WO 1992005657
KR 242756	B1	KO			PCT Application WO 1991NL169

Alerting Abstract WO A

The playback system customises digitised pictures stored on non rewritable compact disc (440). A player is provided for storing user generated picture parameter data in a separate medium (460). The separate
database medium is configured to be removably interfaced with the CD players microcontroller (444) for storing picture data. The module can be
removed and inserted into another player.

The customisation data may contain picture reproduction parameters to include contrast magnification colour balance, saturation and border type
and location with a photo finisher providing hard copies.

USE/ADVANTAGE - Reduces time spent customising.

Title Terms/Index Terms/Additional Words: DIGITAL; PICTURE; PLAYBACK; SYSTEM; CD; USER; GENERATE; PARAMETER; DATA; STORAGE; SEPARATE; MEDIUM;
REMOVE; INTERFACE; CONTROL; CONTAIN; CONTRAST

Class Codes

International Classification (Main): H04N-001/21, H04N-005/76, H04N-005/91,
H04N-009/79
(Additional/Secondary): H04N-001/23, H04N-001/387, H04N-001/46, H04N-005/85, H04N-009/80

File Segment: EngPI; EPI;
DWPI Class: S06; T03; W02; W04; P85
Manual Codes (EPI/S-X): W04-C10A3; W04-F01; W04-K05

Original Publication Data by Authority

Original Abstracts:

...with the CD player's microcontroller (444) for storing picture parameter
data that has been **programmed** by the user. The module can then be removed
from the playback device and inserted...

...with the CD player's microcontroller (444) for storing picture

parameter
data that has been **programmed** by the user. The module can then be removed
from the playback device and inserted...
Claims:
...means, said differences being information defining said second individual picture representation parameter settings for individual **digitized** pictures recorded on **the digital data** base **medium** identified by **said data** base identification; /br second means for detecting whether, for said data base identification, information defining
second individual picture representation parameter settings is stored in
the memory; **and** /br user controllable means, responsive **to** said second
means for detecting, for selectively supplying the first or second individual picture representation...

19/69,K/39 (Item 39 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0005944994 - Drawing available
WPI ACC NO: 1992-176413/
XRPX Acc No: N1992-133099
Data bank for video recording and playback system - has single rotating drum with heads for recording video signal on one medium and data signal on second medium
Patent Assignee: SAMSUNG ELECTRONICS CO (SMSU); SAMSUNG ELECTRONICS CO LTD (SMSU)
Inventor: CHOI S; CHOI S L
Patent Family (7 patents, 5 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
DE 4138107	A	19920521	DE 4138107	A	19911119	199222	B
CN 1061689	A	19920603	CN 1991111162	A	19911120	199307	E
KR 199305814	B	19930625	KR 199018773	A	19901120	199407	E
DE 4138107	C2	19940526	DE 4138107	A	19911119	199419	E
US 5636313	A	19970603	US 1991791226	A	19911113	199728	E
US 6169841	B1	20010102	US 1991791226	A	19911113	200103	E
			US 1997825933	A	19970401		
JP 3214880	B2	20011002	JP 1991301949	A	19911118	200164	E

Priority Applications (no., kind, date): KR 199018773 A 19901120

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
DE 4138107	A	DE	9	2	
DE 4138107	C2	DE	9	2	
US 5636313	A	EN	9		
US 6169841	B1	EN			Division of application US 1991791226
JP 3214880	B2	JA	9		Division of patent US 5636313 Previously issued patent JP 04332986

Alerting Abstract DE A
The data bank has scanners for two recording media (TM1, 2) i.e. a video recording medium (TM1) and an additional data recording medium (TM2) to be installed and driven in the data bank. There are two servo-drives for the two recording media. Correspondingly selected information by a user can be recorded to a correct position on the data recording medium.
The recording is carried out by the data scanners and servomotors. From the medium they can be found and recalled from display on a data screen.
The data bank has two scanners (21, 22, SW1, 23, 24 SW2), assocaited

with
the magnetic head drum (20). They are both active for recording and read-out of the respective information signals.
USE - For video recorder or camcorder to allow simple storage and retrieval of information related to video recording.

Title Terms/Index Terms/Additional Words: DATA; BANK; VIDEO; RECORD; PLAYBACK; SYSTEM; SINGLE; ROTATING; DRUM; HEAD; SIGNAL; ONE; MEDIUM; SECOND

Class Codes
International Classification (Main): G11B-027/02, G11B-027/028, G11B-027/10
, G11B-031/00, H04N-005/76, H04N-005/91
(Additional/Secondary): G06F-017/30, G11B-015/52, G11B-005/86

File Segment: EPI;
DWPI Class: T01; T03; W04
Manual Codes (EPI/S-X): T01-J05B; T03-Q; W04-F

Original Publication Data by Authority

Claims:
... A method for maintaining a data bank in a video recording device, said
method comprising the steps of: determining **in** a recording mode of **said**
video recording device if **a** data bank reproduction mode is selected;
if the data bank reproduction mode is selected, recording data stored in a
playback section of a recording medium and displaying the **data** on a display of **the** **video** recording device; if the **data** bank reproduction
mode is not selected, displaying a file index corresponding to files stored
in...

...data processor for providing to said second scanning means the received
data information by processing **digital** data received from said system **controller** to be recorded onto said second recording medium, and for supplying to said system controller

19/69,K/40 (Item 40 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0005847563 - Drawing available
WPI ACC NO: 1992-073568/
XRPX Acc No: N1992-055321
Animation image composition for karaoke device - displays still animation images in sequence on display in time with reproduction of music by digital sound source driven by MIDI signals
Patent Assignee: RICOS CO LTD (RICO-N)
Inventor: TANIGUCHI S; TSUMURA M
Patent Family (5 patents, 7 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 473043	A	19920304	EP 1991113914	A	19910820	199210 B
US 5262765	A	19931116	US 1991748260	A	19910821	199347 E
TW 212842	A	19930911	TW 1991106514	A	19910816	199349 E
EP 473043	B1	19951102	EP 1991113914	A	19910820	199548 E
DE 69114223	E	19951207	DE 69114223	A	19910820	199603 E
			EP 1991113914	A	19910820	

Priority Applications (no., kind, date): JP 1990220468 A 19900821

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 473043	A	EN			
Regional Designated States,Original: DE FR GB IT NL					
US 5262765	A	EN	6	2	
TW 212842	A	ZH			
EP 473043	B1	EN	9	2	
Regional Designated States,Original: DE FR GB IT NL					
DE 69114223	E	DE			Application EP 1991113914 Based on OPI patent EP 473043

Alerting Abstract EP A
The animation image composition and display device has a temp. detector (2) which identifies temp. data from the MIDI data and which generates a sequence of pulses which are synchronised with the temp. at which the music is produced. A pitch detector (3) identifies pitch data from the MIDI data and outputs it in sequence.
An image composition **controller** (4) includes a display **timing** calculator (41), which outputs trigger signals in accordance with the timing of the pulses. A display colour calculator (42) processes the pitch data in order to determine the foreground and background colours. A display image selector (43) **selects** one or more items of **animation** data from an image **database** in which are stored a number of sets of animation

images
in data form.
ADVANTAGE - Amount of image data should be kept to minimum. @(7pp Dwg.No.1/2)@

Equivalent Alerting Abstract US A
The device displays still animation images in sequence on a display in
time with the reproduction of music by a digital sound source driven by MIDI signals. The device reads a series of **specified** or optional **animation** images from an image **database** , which holds many **animation** images, and transmits them in accordance with tempo data which forms part
of the MIDI data.
The device also uses pitch data to determine the colour of the animation
images to be displayed. The device composes the still images and the specified colours and displays them on a visual display medium.
ADVANTAGE - Causes selected animation images on visual display medium to
move without recourse to dynamic image data.

Title Terms/Index Terms/Additional Words: ANIMATED; IMAGE; COMPOSITION; KARAOKE; DEVICE; DISPLAY; STILL; SEQUENCE; TIME; REPRODUCE; MUSIC; DIGITAL; SOUND; SOURCE; DRIVE; MIDI; SIGNAL

Class Codes
International Classification (Main): G06F-015/62, G06T-015/70, G09G-005/00
(Additional/Secondary): G06F-015/72, H04N-003/00

File Segment: EngPI; EPI;
DWPI Class: T01; W04; P85
Manual Codes (EPI/S-X): T01-J10C5; W04-U05; W04-X03A3

Alerting Abstract ...An image composition **controller** (4) includes a display **timing** calculator (41), which outputs trigger signals in accordance with the timing of the pulses. A...

...data in order to determine the foreground and background colours. A display image selector (43) **selects** one or more items of **animation** data
from an image **database** in which are stored a number of sets of animation
images in data form...

Equivalent Alerting Abstract ...by a digital sound source driven by MIDI
signals. The device reads a series of **specified** or optional **animation**
images from an image **database** , which holds many **animation** images, and
transmits them in accordance with tempo data which forms part of the MIDI
...

Original Publication Data by Authority

Original Abstracts:
...a digital sound source (1) driven by MIDI signals. The device reads a
series of **specified** or optional **animation** images from an image **database** (6), which holds many **animation** images, and transmits them in
accordance with tempo data which forms part of the MIDI...

...by a digital sound source driven by MIDI signals. The device reads a series of **specified** or optional **animation** images from an image **database** , which holds many **animation** images, and transmits them in accordance with tempo data which forms part of the MIDI...

Claims:
...said MIDI data and which outputs said pitch data in sequence, and an image composition **controller** (4) comprising a display **timing** calculator
(41), which outputs trigger signals in accordance with the timing of the
aforementioned pulses...

...order to determine the foreground and background colors, and a display
image selector (43),which **selects** one or more items of **animation** data
from an image **database** (6) in which are stored a plurality of sets of animation images in data form...

...MIDI data and which outputs said pitch data (b) in sequence, and an image composition **controller** (4) comprising a display **timing** calculator
(41), which outputs trigger signals (c) in accordance with the timing of
the aforementioned...

...to determine (e) the foreground and background colors, and a display image selector (43),which **selects** (f) one or more **animation** image data
from an image **database** (6) in which are stored a plurality of sets of animation images in data form...

...said MIDI data and which outputs said pitch data in sequence; and an image composition **controller** comprising a display **timing** calculator,
which outputs trigger signals in accordance with the timing of said pulses,
a display...

...and a display image selector, which outputs a control signal to a database controller which **selects** one or more items of **animation** data
from an image **database** in which are stored a plurality of sets of animation images in data form; said animation image composition and display
device also being used to **arrange** said selected items of animation data

and said determined colors and to display still images...

19/69,K/41 (Item 41 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0005144252 - Drawing available
WPI ACC NO: 1990-133493/
XRPX Acc No: N1990-103498
Computer animation production system - providing separate communication systems for digital control data and image data between image and data processing units
Patent Assignee: DISNEY CO WALT (DISN-N); DISNEY W CO (DISN-N)
Inventor: DAVIS L; DAVIS L L; KIMBALL M; KIMBALL M R; KOHLER D; KOHLER D W;
SARKISSIAN V
Patent Family (13 patents, 17 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 365960	A	19900502	EP 1989119147	A	19891014	199018 B
AU 198942984	A	19900426				199033 E
US 5091849	A	19920225	US 1988263429	A	19881024	199211 E
			US 1991636544	A	19910102	
AU 199219509	A	19920910	DE 58904419	A	19891012	199243 E
			AU 199219509	A	19920707	
AU 639185	B	19930715	EP 1989118964	A	19891012	199335 E
			AU 199219509	A	19920707	
CA 1329433	C	19940510	CA 615076	A	19890929	199424 E
JP 8087604	A	19960402	JP 1989278312	A	19891024	199623 E
			JP 1995147937	A	19891024	
EP 365960	B1	19980408	EP 1989119147	A	19891014	199818 E
DE 68928637	E	19980514	DE 68928637	A	19891014	199825 E
			EP 1989119147	A	19891014	
US 5764980	A	19980609	US 1988263429	A	19881024	199830 E
			US 1991636544	A	19910102	
			US 1991788315	A	19911105	
			US 1994293791	A	19940822	
			US 1995413916	A	19950330	
ES 2115585	T3	19980701	EP 1989119147	A	19891014	199832 E
IE 80790	B	19990224	IE 19893339	A	19891017	199919 E
CA 1340763	C	19990921	CA 615076	A	19930721	200005 E
			CA 616673	A	19930721	

Priority Applications (no., kind, date): US 1995413916 A 19950330; US 1994293791 A 19940822; US 1991788315 A 19911105; US 1991636544 A 19910102; US 1988263429 A 19881024

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 365960	A	EN	38	17	
Regional Designated States,Original: AT BE CH DE ES FR GB GR IT LI LU NL SE					
US 5091849	A	EN	33	0	
AU 199219509	A	EN			Division of application DE 58904419
AU 639185	B	EN			Division of application EP

1989118964

				Previously issued patent AU 9219509
CA 1329433	C	EN		
JP 8087604	A	JA	49	Division of application JP 1989278312
EP 365960	B1	EN	51 0	
Regional Designated States,Original: AT BE CH DE ES FR GB GR IT LI LU NL SE				
DE 68928637	E	DE		Application EP 1989119147
				Based on OPI patent EP 365960
US 5764980	A	EN		Continuation of application US 1988263429
				Continuation of application US 1991636544
				Continuation of application US 1991788315
				Continuation of application US 1994293791
				Continuation of patent US 5091849
ES 2115585	T3	ES		Application EP 1989119147
				Based on OPI patent EP 365960
IE 80790	B	EN		
CA 1340763	C	EN		Division of application CA 615076

Alerting Abstract EP A

The computer animation production system supports a number of information processing devices (44...) each of which allows a user to develop, utilize and enhance digital image data. The processing units (44-76..) are associated with two global area networks. The first network 84) communicates digital control information which includes image database information. The second network (6, 8, 10, 12, 14), communicates digital image data to the processing devices (44..). This network also has an arbitration system (38..) and local memory (28..) to control access to the image data and provide local copies.

The image data includes pixel characterization information for image reproduction. A relational data base **management** system is provided for production system capable of handling massive data storage and communication requirements.

Equivalent Alerting Abstract US A

The computer image production system (2) contains information processing devices (44-76) for enabling users to develop, utilise and enhance digital image data. The information processing devices are associated with a first

(4) and a second (6, 8, 10, 12 and 14) global area network. The first global area network is for communicating digital control information to at least one information processing device. The digital control information includes image database information. The second global area network is for communicating the digital image data to the at least one information processing device. The digital image data includes pixel characteristic information for image reproduction on the information processing device.
The second global area network also includes appts. for arbitrating (36, 38, 40, 42 or 43) access of the digital image data to the information processing device. Associated with the appts. is a temporary memory (28, 30, 32, 34 or 35) for storing the digital image data likely to be accessed.
A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes.
USE/ADVANTAGE - For feature film animation. Maximises overall efficiency.
USE/ADVANTAGE - (33pp)

Title Terms/Index Terms/Additional Words: COMPUTER; ANIMATED; PRODUCE; SYSTEM; SEPARATE; COMMUNICATE; DIGITAL; CONTROL; DATA; IMAGE; PROCESS;
UNIT

Class Codes
International Classification (Main): G06F-015/42, G06F-015/62, G06F-015/72,
G06F-015/76, G06F-017/30, G06T-001/60, G06T-013/00
(Additional/Secondary): G06F-013/00, G06F-013/42, G06F-015/16, G06F-015/24
, G06F-015/40, G06F-015/417, G06F-015/60

File Segment: EPI;
DWPI Class: T01; W04
Manual Codes (EPI/S-X): T01-H05B; T01-H07; T01-J05B; T01-J10C; W04-K05

Original Titles:
...Computer image production system utilizing first and **second** networks for separately transferring **control** information and digital image data...

Alerting Abstract ...The image data includes pixel characterization information for image reproduction. A relational data base **management** system is provided for production system capable of handling massive data storage and communication requirements.

Equivalent Alerting Abstract ...or 35) for storing the digital image data likely to be accessed. A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling**

and tracking purposes...

Original Publication Data by Authority

Original Abstracts:
...data likely to be accessed by the information processing device (44-76).
A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes...

...data likely to be accessed by the information processing device (44-76).
A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes...

...data likely to be accessed by the information processing device (44-76).
A relational database **management** system (23) **maintains** the digital **control** information for production **scheduling** and tracking purposes.
Claims:
...The image data includes pixel characterization information for image reproduction. A relational data base **management** system is provided for
production system capable of handling massive data storage and communication requirements...
...Bilddaten ueber eine Anzahl von Datenverarbeitungseinrichtungen (44, 46,
..., 74, 77) als eine oder mehrere Bilddateien **organisiert** sind, wobei
das System ein Logistiksystem (23) zum Speichern der einen oder mehreren
Bilddateien und...

...production system enabling users to efficiently access, display, review,
develop, and enhance digital image data **organized** as one or more image
files, through a plurality of information processing devices (44, 46...

...having a logistics system (23) for storing the one or more image files
and for **maintaining** control data relating to each of the one or more image files, the plurality of...

...A method of developing a production, the production **organized** into one
or more scenes, each of the scenes comprising one or more images, said...

...or more workstations;providing a unique scene database for each of the
one or more **scenes** , the **scene database** being stored in a **database**
memory device of a logistics system, the **scene database** comprising

one
or more **scene database** files comprising data **identifying** the image
files representative of the images of the scene to which the scene database
...
...the requesting workstation over the first network; andacquiring one or
more of the image **files** identified by the **returned scene** database
files of the **accessed scene** database at the requesting
workstation;enhancing none, one or more of the acquired one or...

19/9/42 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06958943 **Image available**
VIDEO DISTRIBUTION DISPLAY METHOD, VIDEO DISTRIBUTING DEVICE USED THEREFOR
AND PUBLIC DISPLAY

PUB. NO.: 2001-186496 [JP 2001186496 A]
PUBLISHED: July 06, 2001 (20010706)
INVENTOR(s): TOKIMOTO TOYOTARO
OISHI MASATOSHI
HARA AKIKO
APPLICANT(s): AVIX INC
APPL. NO.: 11-367921 [JP 99367921]
FILED: December 24, 1999 (19991224)
INTL CLASS: H04N-007/173; G09G-005/00; H04N-005/44

ABSTRACT

PROBLEM TO BE SOLVED: To provide a video distributing method by which a **program** suitable for each public display is easily and efficiently operated and **managed** by centralized control concerning the multiple public displays.
SOLUTION: Video **program** data of a **program** to be broadcasted on the multiple public displays **arranged** in respective places and its broadcasting **schedule** are **managed** by a video distributing device 3 to be connected to the displays via a communication line N. The device 3 permits **video program** data properly **selected** from a **database** to correspond to schedule data and transmits it to the public displays 5 by the communication line N. The displays 5 receive video **program** data or **schedule** data transmitted from the device 3 and broadcast the **program** based on them.

19/9/43 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

06941643 **Image available**
DIGITAL BROADCASTING RECEIVER

PUB. NO.: 2001-169194 [JP 2001169194 A]
PUBLISHED: June 22, 2001 (20010622)
INVENTOR(s): NISHIZAWA SHUJI
APPLICANT(s): FUJITSU TEN LTD
APPL. NO.: 11-354725 [JP 99354725]
FILED: December 14, 1999 (19991214)
INTL CLASS: H04N-005/44; G06F-017/30; H04N-005/445; H04N-007/025; H04N-007/03; H04N-007/035; H04N-007/173

ABSTRACT

PROBLEM TO BE SOLVED: To provide a digital broadcasting receiver for receiving only a liking service continuously among the services of multi-channels.

SOLUTION: This receiver has a **program** type information extracting means 11 for extracting **program** type information including **time** information (t) from additional information B concerning the attribute of a **program**, a database preparing means 12 for preparing a database 13 for storing extracted **program** type information, a database retrieving means 14 for retrieving a **program** type **designated** by a user from the **database** 13 and successively providing audio/ **video** information concerning the **designation** time sequentially, and a retrieval determining means 15 for determining at the retrieval, according to selective specific information designated by the user.

19/9/44 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

06397142 **Image available**
VIDEO DATA DISTRIBUTING METHOD AND VIDEO SERVER

PUB. NO.: 11-338793 [JP 11338793 A]
PUBLISHED: December 10, 1999 (19991210)
INVENTOR(s): ISHIDA TAKASHI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 10-147169 [JP 98147169]
FILED: May 28, 1998 (19980528)
INTL CLASS: G06F-013/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for efficiently distributing video data from a video server to a reproducing terminal connected through a network.

SOLUTION: A video server 100 equally **manages** a **second** file storing **second** designation information for designating any file or directory **managed** by another video server 300 and a first file storing various **video data based** on first **designation** information. When there is a read request from a reproducing terminal 200 to the first or second file, it is judged whether the file is the second file or the first file and when it is judged as the second file, based on the second designation information, the read of data is requested to the video server 300 so that data are stored in a buffer 107.

19/9/45 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO

05182400 **Image available**
METHOD AND DEVICE FOR SCENE RETRIEVAL

PUB. NO.: 08-137900 [JP 8137900 A]
PUBLISHED: May 31, 1996 (19960531)
INVENTOR(s): MORI TAKAHISA
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 06-274623 [JP 94274623]
FILED: November 09, 1994 (19941109)
INTL CLASS: [6] G06F-017/30
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD:R011 (LIQUID CRYSTALS)

ABSTRACT

PURPOSE: To easily and speedily retrieve a **desired** **scene** among **scenes** which are filed in a **data** **base** even if the file name of the desired scene is unknown.

CONSTITUTION: A media specification part 24 inputs the media that the retrieval object scene specified from an input device 1 has and sets the media in a media **management** part 32. Then a **time** specification part 25 sets time base information on respective media specified from the input device 1 in a **time** base **management** part 33. Then a scene retrieval part 51 obtains, for example, appearance order time of each medium set in the media **management** part 32 from the **time** base information set in the **time** base **management** part 33 and retrieves the same scene with the appearance order time in the data base 6. The retrieval result is displayed on a display 4 by a retrieval result display part 52. Consequently, the desired scene can easily be retrieved without using the file name.

```
Set     Items   Description
S1     241322   DATABASE OR DATABANK OR DATA()(BASE? OR BANK? OR FILE? OR -
            REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DBMS
S2       3139   S1(7N)(AUDIOVISUAL? OR MULTIMEDIA? OR MULTI()MEDIA? OR PHO-
            TO? ? OR PHOTOGRAPH? OR CLIP? ? OR SCENE? ?)
S3       6209   S1(7N)(AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO-
            N? ? OR (DIGITAL? OR SERIES)(3N)(IMAGE? ? OR PICTURE? ?))
S4       1093   S2:S3(5N)(SELECT? OR PICK??? OR CHOOS? OR CHOSEN OR IDENTI-
            FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE-
            SIR???)
S5         45   S4(7N)(DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
            NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6    2172068   REGULAT? OR CONTROL? OR MANAG? OR ORGANI? OR ARRANG? OR PR-
            OGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?
S7     639450   S6(5N)(TIME? ? OR TIMELINE? ? OR TIMING OR TEMPORAL? OR CL-
            OCK? OR DURATION? OR EVENT? OR SCHEDUL? OR OCCASION? OR DAY? ?
             OR HOUR? ? OR MINUTE? ? OR SECOND? ? OR PERIOD?)
S8      89845   S7(3N)(USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP-
            PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL-
            EMENT?)
S9         12   S4(100N)S8
S10         0   S5(100N)S8
S11        17   S5(100N)S7
S12       110   S4(100N)S7
S13        29   S9:S11
S14        29   S13 AND S7(3N)(MANAG? OR ORGANI? OR ARRANG? OR PROGRAM? OR
            MAINTAIN? OR PLAN??? ? OR PRIORIT?)
S15        10   S14 NOT (AD>1997 OR AD=1998:2006)
S16        81   S12 NOT S13:S15
S17        27   S16 NOT (AD>1997 OR AD=1998:2006)
File 348:EUROPEAN PATENTS 1978-2006/ 200641
        (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20061012UT=20061005
        (c) 2006 WIPO/Thomson
```

17/5,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01560895
Digital recording medium and method and apparatus for controlling recording and reproduction in the digital recording medium
Digitaler Aufzeichnungstrager und Verfahren und Anordnung zur Steuerung der Aufzeichnung und der Wiedergabe im digitalen Aufzeichnungstrager
Milieu d'enregistrement numerique et methode et appareil pour le controle de l'enregistrement et de la reproduction dans le milieu d'enregistrement numerique

PATENT ASSIGNEE:
LG ELECTRONICS INC., (1914270), 20, Yoido-Dong,Youngdungpo-Gu, Seoul, (KR), (Applicant designated States: all)
INVENTOR:
Lee, Je Hyung, 35/30 Hwayang-Dong, Sungdong-ku, Seoul, (KR)
Kim, Soo Kyung, 237/188 Sinsa-Dong, Eunpyung Ku, Seoul, (KR)
Woo, Sang Joon, 391/27 Pulkwang 3-Dong, Eunpyung-Ku, Seoul, (KR)
Yang, Tae Seok, 30/12 Sungsan-Dong, Mapa-Ku, Seoul, (KR)
LEGAL REPRESENTATIVE:
Viktor, Rainer et al (91941), Vossius & Partner POB 86 07 67, 81634 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1298924 A2 030402 (Basic)
EP 1298924 A3 040623
APPLICATION (CC, No, Date): EP 2002026514 940413;
PRIORITY (CC, No, Date): KR 936441 930416
DESIGNATED STATES: DE; FR; GB; NL
RELATED PARENT NUMBER(S) - PN (AN):
EP 620683 (EP 94400809)
INTERNATIONAL PATENT CLASS (V7): H04N-005/92

ABSTRACT EP 1298924 A2
An apparatus for controlling recording and reproduction in a video cassette tape recorder capable of, in a recording mode, separating specific data for speed-varied reproduction from compressed digital video signals, recording them on designated tracks, recording position information of the designated tracks on a control track by an index head or recording position information of recording position-synchronized blocks at the starting portions of the designated tracks recorded with the specific data, and in a speed-varied reproduction mode, controlling a capstan servo speed so as to maintain the travel of a magnetic tape at a normal speed and periodically or non-periodically accelerate or decelerate it where specific data for varied-speed have been recorded periodically or non-periodically on predetermined portions of tracks, thereby making heads travel repeatedly at the normal speed and the high speed and thereby detect continuously the specific tracks for varied-speed. A repeatability of reproduced video at a varied speed is obtained without any deterioration in picture quality, because of recording of specific data for speed-varied reproduction and continuous detection of the specific data in the speed-varied reproduction.
ABSTRACT WORD COUNT: 180
NOTE:
Figure number on first page: 9

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	030402	A2 Published application without search report
Examination:	030402	A2 Date of request for examination: 20021127
Change:	031001	A2 Legal representative(s) changed 20030815
Change:	040519	A2 Legal representative(s) changed 20040330
Search Report:	040623	A3 Separate publication of the search report

Examination: 050706 A2 Date of dispatch of the first examination report: 20050523
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200314	1420
SPEC A	(English)	200314	5806
Total word count - document A			7226
Total word count - document B			0
Total word count - documents A + B			7226

...CLAIMS claim 2, wherein the data generating circuit includes:
a timing signal generating circuit generating a **timing control** signal; and
a multiplexer coupled to the timing signal generating circuit and selectively outputting the detected **specific** data and the digital **video data based** on the **timing control** signal.
4. The apparatus of claim 1, wherein the digital medium includes a magnetic medium The method of claim 17, further comprising the step of:
generating a **timing control** signal; and
wherein the recording step includes,
recording the digital **video** data and the **specific data based** on the **timing control** signal.
19. The method of claim 17, wherein in said recording step, the digital medium...

17/5,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01297102
Media pipeline with multichannel video processing and playback
Medien Pipeline mit Mehrwegevideoverarbeitung und Wiedergabe
Pipeline pour signaux video permettant un traitement et une reproduction video multicanal

PATENT ASSIGNEE:
AVID TECHNOLOGY, INC., (1306173), Avid Technology Park, One Park West, Tewksbury, MA 01876, (US), (Proprietor designated states: all)
INVENTOR:
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LEGAL REPRESENTATIVE:
Kazi, Ilya et al (86111), Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL, (GB)

PATENT (CC, No, Kind, Date): EP 1111910 A2 010627 (Basic)
EP 1111910 A3 011004
EP 1111910 B1 040929
EP 1111910 B1 040929
APPLICATION (CC, No, Date): EP 2001102495 940418;
PRIORITY (CC, No, Date): GB 9307894 930416
DESIGNATED STATES: BE; DE; FR; GB; IT; NL
RELATED PARENT NUMBER(S) - PN (AN):
EP 705517 (EP 94914827)
INTERNATIONAL PATENT CLASS (V7): H04N-005/262
CITED PATENTS (EP B): EP 480625 A; EP 599607 A; WO 91/10323 A; WO 95/26100 A; US 4698682 A

ABSTRACT EP 1111910 A2
The invention improves over the prior art by providing a media pipeline with two channels (50, 52) for processing sequences of digital still images. A blender (54) is provided so as to enable simple effects on these two streams of video data such as dissolves, wipes and chroma keys. Complex arbitrary three-dimensional effects and other effects may also be provided using an external interface. Thus, a system for processing sequences of digital still images to provide real-time digital video effects includes first (50) and second (51) channels for communicating first and second sequences of digital still images at a rate for simulating video. A controller directs still images to one of the first and second channels. A blender (54), having a first input connected to the first channel, a second input connected to the second channel, and an output, provides a combination of the first and second sequences of digital still images at a rate for simulating video.
ABSTRACT WORD COUNT: 159
NOTE:
Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	010627	A2	Published application without search report
Examination:	010627	A2	Date of request for examination: 20010208
Search Report:	011004	A3	Separate publication of the search report
Examination:	021023	A2	Date of dispatch of the first examination report: 20020909
Assignee:	030618	A2	Transfer of rights to new applicant: AVID TECHNOLOGY, INC. (1306173) Avid Technology

Park, One Park West Tewksbury, MA 01876 US
Change: 040922 A2 Inventor information changed: 20040805
Grant: 040929 B1 Granted patent
Change: 040922 A2 Inventor information changed: 20040805
Grant: 040929 B1 Granted patent
Lapse: 050713 B1 Date of lapse of European Patent in a contracting state (Country, date): BE 20040929,
Oppn None: 050921 B1 No opposition filed: 20050630
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200126	1349
CLAIMS B	(English)	200440	1187
CLAIMS B	(German)	200440	1141
CLAIMS B	(French)	200440	1313
SPEC A	(English)	200126	3730
SPEC B	(English)	200440	3758
Total word count - document A			5080
Total word count - document B			7399
Total word count - documents A + B			12479

...CLAIMS of video data to be read for the sequence;
for the selected sequence, reading the **desired** amount of **video** data from the **data file** for the **selected** sequence in the file system;
receiving effect parameters defining the digital video effect;
processing the...

...transition from the first sequence to the second sequence, and wherein the method further comprises:
controlling reading of the first and **second** sequences from the first and second buffers, respectively; and
generating the third sequence of digital...

17/5,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00983606
Pipeline decoding system
Pipeline-System zur Dekodierung
Systeme pipeline de decodage
PATENT ASSIGNEE:
Discovision Associates, (260275), 2355 Main Street, Suite 200, Irvine, CA 92614, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IE;IT;LI;NL)
INVENTOR:
Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol BS6 1NA, (GB)
Sotheran, Martin William, The Ridings, Wick Lane, Stinchcombe, Dursley, Gloucestershire GL11 6BD, (GB)
Robbins, William Philip, 19 Springhill, CAM, Gloucestershire GL11 5PE, (GB)
Finch, Helen Rosemary, Tyley, Coombe, Wotton-Under-Edge, Gloucestershire GL12 7ND, (GB)
Boyd, Kevin James, 21 Lancashire Road, Bristol BS7 9DL, (GB)
LEGAL REPRESENTATIVE:
Vuillermoz, Bruno et al (72791), Cabinet Laurent & Charras B.P. 32 20, rue Louis Chirpaz, 69131 Ecully Cedex, (FR)
PATENT (CC, No, Kind, Date): EP 891089 A1 990113 (Basic)
APPLICATION (CC, No, Date): EP 98202149 950228;
PRIORITY (CC, No, Date): GB 9405914 940324
DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL
RELATED PARENT NUMBER(S) - PN (AN):
EP 674443 (EP 953013018)
INTERNATIONAL PATENT CLASS (V7): H04N-007/24; G06F-019/00; G06F-013/00; G06F-009/38;

ABSTRACT EP 891089 A1
A pipeline processing machine having a plurality of reconfigurable processing stages interconnected by a two-wire interface bus, one of said processing stages being a spatial decoder; a second of said stages being a token generator for generating control tokens and data tokens for passage along said two-wire interface; said machine comprising :
a token decode means positioned in said spatial decoder for recognizing certain of said tokens as control tokens pertinent to said spatial decoder and for configuring said spatial decoder for spatially decoding said data tokens following said control token into a first decoded format ; and
a further one of said stages being a temporal decoder positioned downstream in said pipeline from said spatial decoder; a second token decode means positioned in said temporal decoder for recognizing certain of said tokens as control tokens pertinent to said temporal decoder and for configuring said temporal decoder for temporally decoding said data tokens following said control token into a second decoded format.
ABSTRACT WORD COUNT: 165

LEGAL STATUS (Type, Pub Date, Kind, Text):
Withdrawal: 030416 A1 Date application deemed withdrawn: 20020903
Application: 990113 A1 Published application (A1with Search Report ;A2without Search Report)
Examination: 990113 A1 Date of filing of request for examination: 980626
Examination: 990901 A1 Date of dispatch of the first examination report: 19990713

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9902	165
SPEC A	(English)	9902	127403
Total word count - document A			127568
Total word count - document B			0
Total word count - documents A + B			127568

...SPECIFICATION the tables where appropriate.

The present invention also provides a pipeline system having an input **data** stream, and a processing stage for receiving the input **data** stream, the stage including means for recognizing **specified** bit stream patterns, whereby said stage facilitates random access and error recovery. In accordance with...

...codes. Hence, the invention provides a search-mode means for searching differently encoded data streams **arranged** as a single serial stream of data for allowing random access and enhanced error recovery...

17/5,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00864023

APPARATUS, SYSTEM AND METHOD FOR INFORMATION PROCESSING FOR DATA TRANSFER NETWORK

INFORMATIONSVERARBEITUNGSGERAT, -SYSTEM UND VERFAHREN FUR EIN DATENUBERTRAGUNGSNETZWERK

SYSTEME, APPAREIL ET PROCEDE DE TRAITEMENT D'INFORMATIONS POUR RESEAU DE TRANSFERT DE DONNEES

PATENT ASSIGNEE:
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma, Kadoma-shi, Osaka 571-8501, (JP), (Proprietor designated states: all)
INVENTOR:
IKEDA, Toshihiro, C1-305, 3-1, Shinsenrinishimachi, Toyonaka-shi, Osaka 565, (JP)
LEGAL REPRESENTATIVE:
Eisenfuhr, Gunther, Dipl.-Ing. (3301), Eisenfuhr, Speiser & Partner Patentanwalte Rechtsanwalte Postfach 10 60 78, 28060 Bremen, (DE)

PATENT (CC, No, Kind, Date): EP 808064 A1 971119 (Basic)
EP 808064 B1 040303
WO 1997021308 970612
APPLICATION (CC, No, Date): EP 96939332 961129; WO 96JP3513 961129
PRIORITY (CC, No, Date): JP 95313962 951201
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): H04N-007/173; H04N-005/781
CITED PATENTS (EP B): WO 95/26095 A; WO 95/26103 A; JP 5041858 A; JP 6261319 A; JP 7123398 A; US 4897714 A; US 5051822 A; US 5371532 A
CITED REFERENCES (EP B):
PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02, 29 February 1996 (1996-02-29) & JP 07 284084 A (MATSUSHITA ELECTRIC IND CO LTD), 27 October 1995 (1995-10-27);

ABSTRACT EP 808064 A1

Digital data of a plurality of video/audio softs is stored in a plurality of random-accessible large capacity storage device (9) and a control device (8) designates the reading of the video/audio softs and a vacant channel number to decoder devices (6, 7) of a multi-channel output, so that the designated video/audio softs are intermittently read out by time division from the large capacity storage devices (9) every predetermined blocks by the decoder devices (6, 7) to be temporarily stored and thereafter decoded and outputted from the designated number channels, and thus, any soft can be supplied to the terminal devices at any supply starting time, irrespective of whether the requested softs are the same or different, so long as the number of the output channels of the data processing device is within the permissible range, and the softs can be supplied to a number of terminal devices of which the number is beyond the number of the prepared softs, and even when the requests are concentrated to a specific soft, the access of the soft can be performed in a short time without increasing the waiting time, and it may be sufficient to merely prepare a small capacity memory in the decoder devices, so that the cost of the decoder devices can be reduced.

ABSTRACT WORD COUNT: 215
NOTE:
Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
Search Report: 000823 A1 Date of drawing up and dispatch of supplementary:search report 20000712
Application: 970910 A1 International application (Art. 158(1))

Oppn None:	050223	B1	No opposition filed: 20041206
Change:	030917	A1	Title of invention (French) changed: 20030731
Change:	030917	A1	Title of invention (English) changed: 20030731
Change:	030917	A1	Title of invention (German) changed: 20030731
Examination:	021113	A1	Date of dispatch of the first examination report: 20021001
Change:	030813	A1	Title of invention (German) changed: 20030620
Change:	030813	A1	Title of invention (English) changed: 20030620
Change:	030813	A1	Title of invention (French) changed: 20030620
Grant:	040303	B1	Granted patent
Application:	971119	A1	Published application (A1with Search Report ;A2without Search Report)
Examination:	971119	A1	Date of filing of request for examination: 970730

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199711W2	1864
CLAIMS B	(English)	200410	1965
CLAIMS B	(German)	200410	1622
CLAIMS B	(French)	200410	2342
SPEC A	(English)	199711W2	10581
SPEC B	(English)	200410	10608
Total word count - document A			12448
Total word count - document B			16537
Total word count - documents A + B			28985

...CLAIMS reproduction of any one data of said plural video/audio data from an external, and **designating** reproduction of a **data file** of one **video** /audio data corresponding to said request of reproduction-designation to said large capacity storage means...

...allocated channel numbers transferred from control means (8) to decoder means (6, 7) via a **second** connection means for **control** communication;
confirming whether of not there exists a vacant channel based on the management information...

17/5,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00830886
Apparatus for detecting a direction in which a marker is moved through a portal
Vorrichtung fur das Ermitteln einer Richtung, in der ein Identifizierungsetikett durch ein Portal bewegt wird
dispositif pour detecter une direction dans laquelle un marqueur est deplace en traversant un portique

PATENT ASSIGNEE:
Sensormatic Electronics Corporation, (882795), 6600 Congress Avenue, Boca Raton, Florida 33487, (US), (Proprietor designated states: all)
INVENTOR:
GHAFFARI, Touraj, 3432 Pine Haven Circle, Boca Raton, FL 33431, (US)
CANIPE, Larry, 3342 N.W. 28th Terrace, Boca Raton, FL 33434, (US)
LEGAL REPRESENTATIVE:
Hafner, Dieter et al (52276), Hafner & Partner GbR Patent-/Rechtsanwalte Schleiermacherstrasse 25, 90491 Nurnberg, (DE)
PATENT (CC, No, Kind, Date): EP 834164 A1 980408 (Basic)
EP 834164 B1 050824
WO 1997000503 970103
APPLICATION (CC, No, Date): EP 96919303 960607; WO 96US9825 960607
PRIORITY (CC, No, Date): US 437946 950619
DESIGNATED STATES: DE; FR; GB; SE
INTERNATIONAL PATENT CLASS (V7): G08B-013/14
CITED PATENTS (EP B): US 3745450 A; US 4272762 A; US 4303910 A; US 4471345 A; US 4489313 A; US 4639716 A; US 4798175 A; US 5124699 A
ABSTRACT WORD COUNT: 18878
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report:	000705 A1	Date of drawing up and dispatch of supplementary:search report 20000519
Application:	970423 A1	International application (Art. 158(1))
Change:	060802 B1	Title of invention (French) changed: 20060802
Change:	060802 B1	Title of invention (English) changed: 20060802
Change:	060802 B1	Title of invention (German) changed: 20060802
Grant:	050824 B1	Granted patent
Change:	050316 A1	Title of invention (French) changed: 20050127
Assignee:	040107 A1	Transfer of rights to new applicant: Sensormatic Electronics Corporation (882795) 6600 Congress Avenue Boca Raton, Florida 33487 US
Examination:	040107 A1	Date of dispatch of the first examination report: 20031121
Change:	041222 A1	Title of invention (German) changed: 20041103
Change:	041222 A1	Title of invention (English) changed: 20041103
Change:	041222 A1	Title of invention (French) changed: 20041103
Change:	050706 A1	Legal representative(s) changed 20050520
Application:	980408 A1	Published application (A1with Search Report ;A2without Search Report)
Examination:	980408 A1	Date of filing of request for examination: 971203

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200534	1221
CLAIMS B	(German)	200534	1134
CLAIMS B	(French)	200534	1347

SPEC B (English) 200534 16892
Total word count - document A 0
Total word count - document B 20594
Total word count - documents A + B 20594

...SPECIFICATION through the portal at which the portal antennas 52 are installed. The information in the **database** may also **indicate** identification **codes** representative of individuals authorized to move the markers and associated objects through the portal.

Preferably, the control module 60 is **arranged** to exchange data with **several** other readers like reader 56, which are respectively connected to antenna installations at other portals...

...controls the camera 62 and VCR 64 to generate and store a video image of **events** **occurring** at the portal. The signal generated by the camera 62 may be displayed on a...

17/5,K/13 (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00599193
Method and apparatus for providing enhanced graphics in a virtual world.
Verfahren und Gerat zum Erzeugen von verbesserte Graphiken in einer virtuallen Welt.
Methode et appareil pour fournir des graphiques ameliores dans un monde virtuel.
PATENT ASSIGNEE:
THE WALT DISNEY COMPANY, (632555), 1313 Harbor Boulevard, Anaheim, California 92803, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Redmann, William G., 3152 Dalhart Avenue, Simi Valley, California 93063, (US)
Watson, Scott F., 1971 Eden Avenue, Glendale, California 91206, (US)
LEGAL REPRESENTATIVE:
LLOYD, Patrick Alexander Desmond (60081), Reddie & Grose 16 Theobalds Road, London WC1X 8PL, (GB)
PATENT (CC, No, Kind, Date): EP 583061 A2 940216 (Basic)
EP 583061 A3 940406
APPLICATION (CC, No, Date): EP 93305259 930705;
PRIORITY (CC, No, Date): US 911821 920710
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): G06F-015/72;
CITED REFERENCES (EP A):
IEEE COMPUTER GRAPHICS AND APPLICATIONS. vol. 7, no. 4 , April 1987 , NEW YORK US pages 11 - 22 XP3956 WILHELMS 'TOWARD AUTOMATIC MOTION CONTROL'
HYPERTEXT/HYPERMEDIA '91 27 May 1991 , BERLIN pages 1 - 17 MAGNETAT-THALMANN 'MULTIMEDIA, VIRTUAL REALITY AND COMPUTER ANIMATION'
MULTIMEDIA REVIEW vol. 2, no. 2 , 1991 , NEW-YORK US pages 28 - 33 PIMENTEL 'TEXTURING REALITY';

ABSTRACT EP 583061 A2
Method and sytems are provided for rendering and displaying in a real time 3-D computer graphic system a sequence of images of a subject using a plurality of time-sequenced textures such that at least a portion of the subject appears animated. The time-sequenced textures are derived from sources such as digitized frames or fields captured from a video recording of a live actor who may be engaged in a scripted performance, or a digitally-recorded cartoon animation sequence, and can be mapped in different ways to different types of surface geometries to achieve animation. (see image in original document)
ABSTRACT WORD COUNT: 100

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 940216 A2 Published application (A1with Search Report ;A2without Search Report)
Search Report: 940406 A3 Separate publication of the European or International search report
Withdrawal: 950628 A2 Date on which the European patent application was deemed to be withdrawn: 941007
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	9464
SPEC A	(English)	EPABF2	11801
Total word count - document A			21265

Total word count - document B 0
Total word count - documents A + B 21265

...SPECIFICATION main memory. The command identifies the beginning address of each file in the run-time **database** comprising the **desired animation** sequence. This information is provided to scenario process(or) block 106 when, as part of the process of loading run- **time** database 110, rendering **control** process(or) block 104 emits the file references and location data for all texture files...

17/5,K/15 (Item 15 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00467937
Animation image composition and display device.
Gerat zur Komposition und Anzeige eines beweglichen Bildes.
Appareil de composition et d'affichage d'une image animee.
PATENT ASSIGNEE:
RICOS CO., LTD., (1399800), 1-1-805, Miyakojima, Minamidori 2-chome, Miyakojima-ku, Osaka, (JP), (applicant designated states: DE;FR;GB;IT;NL)
INVENTOR:
Tsumura, Mihoji, 1-1-805, Miyakojima Minamidori 2-chome, Miyakojima-ku, Osaka, (JP)
Taniguchi, Shinnosuke, 6-24, Higashinakamoto 2-chome, Higashinari-ku, Osaka, (JP)
LEGAL REPRESENTATIVE:
Hering, Hartmut, Dipl.-Ing. (5323), Patentanwalte Berendt, Leyh & Hering Innere Wiener Strasse 20, D-81667 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 473043 A2 920304 (Basic)
EP 473043 A3 930324
EP 473043 B1 951102
APPLICATION (CC, No, Date): EP 91113914 910820;
PRIORITY (CC, No, Date): JP 90220468 900821
DESIGNATED STATES: DE; FR; GB; IT; NL
INTERNATIONAL PATENT CLASS (V7): G06T-015/70;
CITED PATENTS (EP A): US 4913539 A; EP 303700 A

ABSTRACT EP 473043 A2
An animation image composition and display device is used for the display of still animation images in sequence on a display in time with the reproduction of music by a digital sound source (1) driven by MIDI signals. The device reads a series of specified or optional animation images from an image database (6), which holds many animation images, and transmits them in accordance with tempo data which forms part of the MIDI data. The device also uses pitch data to determine the color of the animation images to be displayed. The device composes the still images and the specified colors and displays them on a visual display medium (8). (see image in original document)
ABSTRACT WORD COUNT: 117

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 920304 A2 Published application (A1with Search Report ;A2without Search Report)
Search Report: 930324 A3 Separate publication of the European or International search report
Examination: 931103 A2 Date of filing of request for examination: 930908
Examination: 950201 A2 Date of despatch of first examination report: 941220
Grant: 951102 B1 Granted patent
Oppn None: 961023 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	403
CLAIMS B	(English)	EPAB95	402
CLAIMS B	(German)	EPAB95	371
CLAIMS B	(French)	EPAB95	435
SPEC A	(English)	EPABF1	2859

SPEC B (English) EPAB95 2926
Total word count - document A 3262
Total word count - document B 4134
Total word count - documents A + B 7396

...SPECIFICATION composer 5 in the next block in respect of foreground color, background color and display **timing** . The image composition **controller** 4 also determines the appropriate sequence of animation images to be read out of the...

...the image related data determined by the image composition controller 4 out of the image **database** 6 and, after composing the **animation** image in accordance with the **specified** display and background colors, transmits it to the image display unit 7 in accordance with...

...part which determines the selection of one type of animation image from the plurality of **animation** image types stored in the image **database** 6. The **selection** of a **specified** **animation** image is accomplished by the output of a signal d to the display image selector...

...first of the series of display timing signals c which are output from the display **timing** calculator 41. A **control** signal f is

...SPECIFICATION composer 5 in the next block in respect of foreground color, background color and display **timing** . The image composition **controller** 4 also determines the appropriate sequence of animation images to be read out of the...

...the image related data determined by the image composition controller 4 out of the image **database** 6 and, after composing the **animation** image in accordance with the **specified** display and background colors, transmits it to the image display unit 7 in accordance with...part which determines the selection of one type of animation image from the plurality of **animation** image types stored in the image **database** 6. The **selection** of a **specified** **animation** image is accomplished by the output of a signal d to the display image selector...

...first of the series of display timing signals c which are output from the display **timing** calculator 41. A **control** signal f is then output to control the database. The adoption of this method eliminates...

...CLAIMS said MIDI data and which outputs said pitch data in sequence, and an image composition **controller** (4) comprising a display **timing** calculator (41), which outputs trigger signals in accordance with the timing of the aforementioned pulses...

...order to determine the foreground and background colors, and a display image selector (43), which **selects** one or more items of **animation** data from an image **database** (6) in which are stored a plurality of sets of animation images in data form...

...CLAIMS MIDI data and which outputs said pitch data (b) in sequence, and an image composition **controller** (4) comprising a display **timing** calculator (41), which outputs trigger signals (c) in accordance with the timing of the aforementioned...

...to determine (e) the foreground and background colors, and a display image selector (43), which **selects** (f) one or more **animation** image data from an image **database** (6) in which are stored a plurality of sets of animation images in data form...

17/5,K/25 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00341704 **Image available**
SPATIAL REFERENCED PHOTOGRAPHY
PHOTOGRAPHIE REFERENCEE DANS L'ESPACE
Patent Applicant/Assignee:
TRANSCENIC INC,
VINCENT Robert S,
Inventor(s):
VINCENT Robert S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9624216 A1 19960808
Application: WO 96US1434 19960131 (PCT/WO US9601434)
Priority Application: US 95383471 19950131
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
BR US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class (v7): H04N-005/33
International Patent Class (v7): H04N-05:76
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 25911

English Abstract
An image system which captures, along with the images, information defining both the position and the orientation of the camera along with the distance to the subject. A video camera (120) is attached to three accelerometers (435, 440, 445), two gyroscopes (400, 410), and a rangefinder (480). Data gathered from these devices and defining the pitch, yaw, and roll of the camera, the camera's acceleration, and the distance to the subject is captured and recorded along with video images. The video images are later stored within a computer's data base (185) along with data defining the position and orientation of the camera and the distance to the subject for each image, this later data being computed from the captured data. The images may then be presented to the user in a three-dimensional display in which the user can navigate through the images using a joystick device or mouse, with the images located in positions corresponding to the positions in space of the objects that were imaged. Overlays on images displayed in the form of boxes and arrows pointing left and right may be clicked on to facilitate forward movement and rotational movement through the assorted images, with automatic image selection.

French Abstract
Un systeme d'images saisit, en meme temps que les images, des informations definissant a la fois la position et l'orientation de la camera ainsi que la distance au sujet. Une camera video (120) est fixee a trois accelerometres (435, 440, 445), deux giroscopes (400, 410) et un telemetre (480). Les donnees recueillies a l'aide de ces dispositifs et definissant le triedre de reference de la camera, l'acceleration de la camera ainsi que la distance au sujet sont saisies et enregistrees ensemble avec les images video. Les images video sont ensuite stockees dans la base de donnees (185) de l'ordinateur ainsi que les donnees definissant la position et l'orientation de la camera et la distance au sujet pour chaque image, ces dernieres donnees etant calculees a partir des donnees saisies. Les images peuvent alors etre presentees a

l'utilisateur dans un affichage tridimensionnel dans lequel l'utilisateur peut naviguer a travers les images en utilisant un dispositif de type manche a balai ou une souris, les images se trouvant dans des positions correspondant aux positions dans l'espace des objets qui ont ete mis en image. Des recouvrements sur des images affichees sous la forme de cases ou de fleches pointant vers la gauche et vers la droite peuvent etre cliques pour faciliter un mouvement vers l'avant et un mouvement de rotation des images triees avec selection automatique des images.

Fulltext Availability:
Detailed Description

Detailed Description
... an existing image capture computer program is adapted for use to capture, compress, and store **selected** images in the **video database** 323, as **indicated** in steps 680. 685, 690, 695, and 700 of FIG. 7. This is a conventional **second** , passing to this separate **program** the index value into the video database 323 that can later be used to find...

17/5,K/26 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00327211 **Image available**

SYSTEM AND METHOD FOR GENERATING AN INFORMATION DISPLAY SCHEDULE FOR AN ELECTRONIC PROGRAM GUIDE

SYSTEME ET PROCEDE DE CREATION D'UN PROGRAMME D'AFFICHAGE D'INFORMATIONS POUR UN GUIDE DE PROGRAMMATION ELECTRONIQUE

Patent Applicant/Assignee:
TV GUIDE ON SCREEN,
Inventor(s):
DAVIS Bruce,
GUTMAN James,
HEYDT Michael,
MILLER Larry,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9609721 A1 19960328
Application: WO 95US12100 19950922 (PCT/WO US9512100)
Priority Application: US 94311475 19940923
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU BR CA JP MX SG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class (v7): H04N-007/025
International Patent Class (v7): H04N-07:08
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 16485

English Abstract

An electronic program schedule system which includes a receiver for receiving television program schedule information and promotional information transmitted via satellite, a digital playback system for storing the schedule and promotional information and formatting pages of said information, and a cable television channel modulator for modulating the pages of information onto a cable television system. A data processor in the playback system receives and stores in a memory television program schedule information for a plurality of television programs to appear on the plurality of television channels. A television receiver is used to display the television program schedule and promotional information by tuning the receiver or cable converter box to the designated channel upon which the signals are modulated. A multimedia generator receives control commands from the data processor and program schedule information from the memory and displays a portion of the program schedule information in either full screen grid format or partial screen grid format together with promotional information, as controlled by a schedule for display of the promotional information resident in the data processor. The data processor controls the multimedia generator with control commands, issued in response to a computer program resident on the data processor, to display program schedule information and promotional information.

French Abstract

Systeme de programmation electronique comprenant un recepteur pour la reception d'informations de programmation de television et d'informations publicitaires transmises par satellite, un systeme de lecture numerique servant a stocker les informations de programmation et les informations publicitaires, et a structurer les pages desdites informations, et un modulateur de canal de television par cable destine a moduler les pages

d'informations pour les adapter a un reseau de television par cable. Une unite de traitement de donnees prevue dans le systeme de lecture recoit et stocke en memoire les informations de programmation pour plusieurs emissions de television devant apparaitre sur les differents canaux de television. Un televiseur est utilise pour afficher les informations de programmation et les informations publicitaires par commutation du televiseur ou du boitier de convertisseur de canaux sur le canal choisi correspondant aux signaux modules. Un generateur multimedia recoit des instructions de commande en provenance de l'unite de traitement de donnees, et des informations de programmation en provenance de la memoire, et affiche une partie des informations de programmation soit en format grille-ecran entier soit en format grille-ecran partiel, et ce conjointement avec les informations publicitaires, et en fonction d'un programme d'affichage d'informations publicitaires residant dans l'unite de traitement de donnees. L'unite de traitement de donnees commande le generateur multimedia au moyen d'instructions de commande emises en reponse a un programme informatique residant dans ladite unite de traitement de donnees, afin d'afficher les informations de programmation et les informations publicitaires.

Fulltext Availability:
Detailed Description

Detailed Description
... is ordered according to the possible periods during which it may be played. For each **clip** , the **database** includes an **indication** of the **program** type, **clip** type, the **time periods** when the clip may be shown, and also possibly the **scheduled** air **times** of the **program** being promoted. Including the **scheduled** air times of the programs being promoted facilitates use of the proximity and time weighting factors. The content/time and forcing factors may be used to **indicate** in the **database** records for appropriate **clips** time periods when the clips should not be aired and time periods when they must...

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Set     Items   Description
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            REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DBMS
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            TO? ? OR PHOTOGRAPH? OR CLIP? ? OR SCENE? ?)
S3      10126   S1(7N)(AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO-
            N? ? OR (DIGITAL? OR SERIES)(3N)(IMAGE? ? OR PICTURE? ?))
S4        567   S2:S3(5N)(SELECT? OR PICK??? OR CHOOS? OR CHOSEN OR IDENTI-
            FY? OR IDENTIFIE? ? OR SPECIF? OR DESIGNAT? OR INDICAT? OR DE-
            SIR???)
S5         60   S4(7N)(DYNAMIC? OR AUTOMATIC? OR SMART? OR PERPETUAL? OR I-
            NTUIT? OR SELF OR SELF()DIRECT? OR INTELLIGENT?)
S6   24490162   REGULAT? OR CONTROL? OR MANAG? OR ORGANI? OR ARRANG? OR PR-
            OGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?
S7    1146556   S6(5N)(TIME? ? OR TIMELINE? ? OR TIMING OR TEMPORAL? OR CL-
            OCK? OR DURATION? OR EVENT? OR SCHEDUL? OR OCCASION? OR DAY? ?
             OR HOUR? ? OR MINUTE? ? OR SECOND? ? OR PERIOD?)
S8     106034   S7(3N)(USED OR USING OR UTILIZ? OR UTILIS? OR APPLY? OR AP-
            PLIE? ? OR EMPLOY? OR EXECUT? OR PERFORM? OR ACTIVAT? OR IMPL-
            EMENT?)
S9          7   S5 AND S8
S10        29   S4 AND S7
S11        10   S5 AND S7
S12        29   S9:S11
S13        16   S12 NOT (PY>1997 OR PY=1998:2006)
S14        10   RD  (unique items)
File   2:INSPEC 1898-2006/Oct W2
         (c) 2006 Institution of Electrical Engineers
File   6:NTIS 1964-2006/Oct W2
         (c) 2006 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2006/Oct W2
         (c) 2006 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2006/Oct W1
         (c) 2006 The Thomson Corp
File  35:Dissertation Abs Online 1861-2006/Sep
         (c) 2006 ProQuest Info&Learning
File  56:Computer and Information Systems Abstracts 1966-2006/Sep
         (c) 2006 CSA.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Sep
         (c) 2006 CSA.
File  62:SPIN(R) 1975-2006/Oct W2
         (c) 2006 American Institute of Physics
File  65:Inside Conferences 1993-2006/Oct 18
         (c) 2006 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2006/Jul W2
         (c)2006 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2006/Oct W3
         (c) 2006 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2006/Jul
         (c) 2006 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Oct 04
         (c) 2006 The Gale Group
File 144:Pascal 1973-2006/Sep W4
         (c) 2006 INIST/CNRS
File 239:Mathsci 1940-2006/Nov
         (c) 2006 American Mathematical Society
File 256:TecInfoSource 82-2006/Feb
         (c) 2006 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
```

Bib Npl. files

14/7/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

06932700 INSPEC Abstract Number: C9807-6130M-027
Title: Hypermedia navigation support by fuzzy logic and neural networks
Author(s): Bodendorf, F.; Langer, K.
Author Affiliation: Dept. of Inf. Syst., Erlangen-Nurnberg Univ., Germany
Conference Title: 1997 IEEE International Conference on Intelligent Processing Systems (Cat. No.97TH8335) Part vol.1 p.180-4 vol.1
Publisher: IEEE, New York, NY, USA
Publication Date: 1997 Country of Publication: USA 2 vol. xxviii+1893 pp.
ISBN: 0 7803 4253 4 Material Identity Number: XX98-00909
U.S. Copyright Clearance Center Code: 0 7803 4253 4/97/$10.00
Conference Title: 1997 IEEE International Conference on Intelligent Processing Systems
Conference Sponsor: IEEE Ind. Electron. Soc.; Tsinghua Univ., China; Northwestern Polytech. Univ., China; Int. Technol. & Econ. Inst., State Council of China; Chinese Assoc. Autom.; Nat. Natural Sci. Found. China; Japanese Soc. Instrum. & Control Eng.; Japan Soc. Fuzzy Theory & Syst.; Beijing Assoc. Sci. & Technol. Exchange with Foreign Countries; IEEE Control Soc. Beijing Chapter
Conference Date: 28-31 Oct. 1997 Conference Location: Beijing, China
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: A system architecture for hypermedia applications is introduced that includes fuzzy logic and artificial neural networks (ANNs) for **dynamically** creating user- **specific** paths through a **database** of **multimedia** objects. A semantic data model is involved to describe the objects' characteristics. Fuzzy rules represent pedagogical knowledge whereas ANNs represent experiences and decisions of former users. During a session, the fuzzy rules and ANNs are **used** by a run- **time controller** in order to retrieve objects, which are appropriate candidates for continuing the way in the hypermedia network. This framework for navigation in hypermedia databases aims at increasing flexibility to adapt to each

user's preferences, motivation and experiences. (10 Refs)
Subfile: C

14/7/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

06392618 INSPEC Abstract Number: C9611-6160S-028
Title: Modeling of video spatial relationships in an object database management system
Author(s): Li, J.Z.; Ozsu, T.; Szafron, D.
Author Affiliation: Dept. of Comput. Sci., Alberta Univ., Edmonton, Alta., Canada
Conference Title: Proceedings. International Workshop on Multi-Media Database Management Systems (Cat. No.96TB100064) p.124-32
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1996 Country of Publication: USA ix+178 pp.
ISBN: 0 8186 7469 5 Material Identity Number: XX96-02428
U.S. Copyright Clearance Center Code: 0 8186 7469 5/96/$05.00
Conference Title: Proceedings of International Workshop on Multimedia Database Management Systems
Conference Sponsor: New York State Center for Adv. Technol. Comput. Applications & Software Eng. (CASE) at Syracuse Univ.; IEEE Comput. Soc.; IEEE Comput. Soc. Tech. Committee on Multimedia Comput.; IEEE SIG Multimedia; ACM SIG Multimedia; ACM SIGMOD
Conference Date: 14-16 Aug. 1996 Conference Location: Blue Mountain Lake, NY, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: A key aspect in video modeling is spatial relationships. We propose a spatial representation for **specifying** the spatial semantics of **video data**. **Based** on such a representation, a set of spatial relationships for salient objects is defined to support qualitative and quantitative spatial properties. The model captures both topological and directional spatial relationships. We present a novel way of incorporating this model into a video model, and integrating the abstract video model into an object database **management** system which has rich multimedia **temporal** operations. The integrated model is further enhanced by a spatial inference engine. The powerful expressiveness of our video model is validated by some query examples. (21 Refs)
Subfile: C

14/7/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

05777787 INSPEC Abstract Number: C9411-6160S-014
Title: Design and specification **of EVA: a language for** multimedia
database **systems**
Author(s): Dimitrova, N.; Golshani, F.
Author Affiliation: Dept. of Comput. Sci. & Eng., Arizona State Univ.,
Tempe, AZ, USA
p.356-62
Editor(s): Tjoa, A.M.; Ramos, I.
Publisher: Springer-Verlag, Wien, Austria
Publication Date: 1992 Country of Publication: Austria xii+546 pp.
ISBN: 3 211 82400 6
Conference Title: Proceedings of DEXA '92. International Conference on
Database and Expert Systems Applications
Conference Date: 2-4 Sept. 1992 Conference Location: Valencia, Spain
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: We present EVA-a language that deals with the temporal and
spatial aspect of multimedia information retrieval and delivery, in
addition to providing the usual capabilities of the ordinary database
languages. EVA is an extension of the query language Varqa and provides the
following capabilities for management and retrieval of multimedia
information: query operators, update operators, computational operators,
screen **management** operators, and **temporal** operators. EVA is a
functional language whose notation is based on that of conventional set
theory. It is formally defined using the mathematical framework of many
sorted algebra. EVA is object oriented and supports objects, object
classes, and relationships between objects (in the form of functions). The
current implementation of EVA deals with textual data, images, and
conventional data. (12 Refs)
Subfile: C

14/7/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC

05730341 INSPEC Abstract Number: C9409-6160D-022
Title: Conceptual data models for time-dependent multimedia data
Author(s): Little, T.D.C.; Ghafoor, A.; Chen, C.Y.R.
Author Affiliation: Dept. of Electr. Comput. & Syst. Eng., Boston Univ., MA, USA
p.86-110
Publisher: Arizona State Univ, Tempe, AZ, USA
Publication Date: 1992 Country of Publication: USA 188 pp.
Conference Title: Proceedings of Workshop on Multimedia Information Systems
Conference Sponsor: Arizona State Univ.; Syracuse Univ.; Univ. Kentucky
Conference Date: 7 Feb. 1992 Conference Location: Tempe, AZ, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: We present new results towards **managing** the **temporal** component of **multimedia** data in a **database** management system. **Specifically**, we introduce and define n-ary and reverse temporal relations, which permit forward, reverse, or partial-interval evaluation during multimedia object playout. These relations are defined in a manner ensuring a property of monotonically increasing playout deadlines to facilitate coarse-grain timing via process synchronization or fine-grain timing via real-time scheduling approaches. Furthermore, we show the construction of conceptual database schemata using the new temporal models and provide examples using a relational data model. (20 Refs)
Subfile: C

14/7/7 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

0574951 NTIS Accession Number: AD-878 463/9/XAB
Optical Target Detection
(Final technical rept. 6 Mar 69-30 Jun 70)
Thomasson, J. T. ; Curry, D. J.
Litton Systems Inc van Nuys Calif Data Systems Div
Corp. Source Codes: 209390
Report No.: DS-69-4711; RADC-TR-70-256
Nov 70 141p
Journal Announcement: GRAI7624

NTIS Prices: PC A07/MF A01
Contract No.: F30602-69-C-0208; AF-6244; 624400
The relative performance of various types of holographic filters including 'matched' and 'inverse' filters are studied begining with the optimizing of parameters connected with the generation of holographic filters- **film** handling, optical component configuration, **data base selection** . Filter performance is evaluated by recognizing real targets on reconnaissance imagery. A 'detectability' measure for filter performance is defined and used to test the filters. The theory of operation and basic design of the unit is presented. The decision unit is under real-**time control** of a DDP-516 computer. The program listings are also included.
Film processing techniques to produce filters using an extended linear range in the amplitude transmission vs. exposure curve are outlined. Film bleaching methods including nitric acid 'reversal' are detailed and evaluated. Data are presented to compare the 'detectability' performance of matched (standard and reversed) and inverse filters. (Author)

14/7/8 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04514712 E.I. No: EIP96093347921
Title: Management of multimedia scenarios in an object-oriented database system
Author: Djeraba, Chabane; Hadouda, Karima; Briand, Henri
Corporate Source: Nantes Univ, Nantes, Fr
Conference Title: Proceedings of the 1996 International Workshop on Multi-Media Database Management Systems
Conference Location: Blue Mountain Lake, NY, USA Conference Date: 19960814-19960816
Sponsor: IEEE
E.I. Conference No.: 45350
Source: Proceedings of the International Workshop on Multi-Media Database Management Systems 1996. IEEE, Los Alamitos, CA, USA. p 64-71
Publication Year: 1996
CODEN: 002148
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 9611W4
Abstract: In this paper, we present an approach to multimedia scenario management in a database system that considers: object-oriented concepts for multimedia and scenario modeling; both known and unknown multimedia object playing duration; temporal specification language; Petri net automatic generation based on temporal specifications; automatic detection of user temporal specification errors and contradictions; and finally user interactions based on composite Petri net features. (Author abstract) 20 Refs.

01493589 ORDER NO: AADAA-IMM04947

DESIGN AND IMPLEMENTATION OF A PERSISTENT MULTIMEDIA OBJECT-ORIENTED STORAGE SYSTEM

Author: LI, JIE
Degree: M.A.SC.
Year: 1995
Corporate Source/Institution: UNIVERSITY OF OTTAWA (CANADA) (0918)
Adviser: AHMED KARMOUCH
Source: VOLUME 34/04 of MASTERS ABSTRACTS.
PAGE 1651. 132 PAGES
ISBN: 0-612-04947-7

Multimedia information requires novel database architecture and models for its efficient storage, manipulation, retrieval, and playback. Multimedia database systems must provide facilities to model complex objects, **manage** the **temporal** relationships among different media and guarantee the synchronization as well as the continuity requirements during retrieval.

In this thesis, we investigate the object-oriented **database** concepts and their ability to support **multimedia** applications and more **specifically** the support of real time audio/video media. A number of multimedia characteristics and requirements are analyzed and identified.

Motivated by the challenge to meet the requirements, a Persistent Multimedia Object-oriented Storage System called MEDIASTORE is designed and implemented using an object-oriented database model for the management of multimedia document. A multimedia document architecture is used by MEDIASTORE to describe and model complex objects such as audio, video, image, and text. The temporal and spatial relationships between objects are also described in the document. A synchronized retrieval algorithm for playback of multimedia document is presented. The algorithm pays great attention to various unique synchronization requirements in retrieval and playback of multimedia documents. As part of an advanced multimedia OODBMS, MEDIASTORE is rich in features for the storage and manipulation of document. Amongst the features is its Graphical User Interface (GUI). The design and implementation of the GUI for MEDIASTORE is presented.

Given the ever evolving nature of multimedia requirements and the time limit on this work, MEDIASTORE is far from perfect. Future trends and work are also presented.

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             REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC OR DBMS
S2       41490   S1(7N)(AUDIOVISUAL? OR MULTIMEDIA? OR MULTI()MEDIA? OR PHO-
             TO? ? OR PHOTOGRAPH? OR CLIP? ? OR SCENE? ?)
S3       25925   S1(7N)(AVI OR WAV OR VIDEO? OR MOVIE? OR FILM? OR ANIMATIO-
             N? ? OR (DIGITAL? OR SERIES)(3N)(IMAGE? ? OR PICTURE? ?))
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S6    33096793   REGULAT? OR CONTROL? OR MANAG? OR ORGANI? OR ARRANG? OR PR-
             OGRAM? OR MAINTAIN? OR PLAN??? ? OR PRIORIT?
S7     3739838   S6(5N)(TIME? ? OR TIMELINE? ? OR TIMING OR TEMPORAL? OR CL-
             OCK? OR DURATION? OR EVENT? OR SCHEDUL? OR OCCASION? OR DAY? ?
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S10           4   S4(100N)S8
S11           0   S5(100N)S8
S12           6   S5(100N)S7
S13          10   S10:S12
S14          51   S4(100N)S7
S15          41   S14 NOT S13
S16          21   S15 NOT (PD>1997 OR PD=1998:2006)
S17          13   RD  (unique items)
File 275:Gale Group Computer DB(TM) 1983-2006/Oct 17
         (c) 2006 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Oct 17
         (c) 2006 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2006/Oct 17
         (c) 2006 The Gale Group
File  16:Gale Group PROMT(R) 1990-2006/Oct 17
         (c) 2006 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2006/Oct 18
         (c)2006 The Gale Group
File 624:McGraw-Hill Publications 1985-2006/Oct 18
         (c) 2006 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2006/Oct 18
         (c) 2006 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2006/Dec W1
         (c) 2006 CMP Media, LLC
File 674:Computer News Fulltext 1989-2006/Sep W1
         (c) 2006 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2006/Oct 17
         (c) 2006 Dialog
File 369:New Scientist 1994-2006/Aug W3
         (c) 2006 Reed Business Information Ltd.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2006/Oct 18
         (c) 2006 Business Wire.
File 613:PR Newswire 1999-2006/Oct 18
         (c) 2006 PR Newswire Association Inc
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